

THE ULTIMATE 686 BENCHMARK COMPARISON

In this study, 177 586/686-class CPUs were benchmarked in the frequency range of 60 – 600 MHz. The front-side bus was limited to 100 MHz or less (50 – 100 MHz). Several popular benchmark suites were utilised, including DOS-, Windows-, synthetic-, and game-based platforms. 20 CPUs with different architecture were also compared clock-for-clock at 133 MHz. The hardware used for each test was held constant, thereby allowing the results to be directly comparable from one CPU to another. Approximately 17,000 data points were taken manually and tabulated using Excel.

TEST METHODOLOGY

The raw data is shown at the end of this report, along with another large multi-page table which normalises all data to that of a Pentium P55C 233 MMX. The normalised data is then multiplied by 100 to be more pleasing to the eye. Next, select tests are averaged to represent integer, floating-point, and overall performances.

Test numbers used for the *Integer* average:

3, 16, 18, (28, 34), 51, 52, 53, 56, 58, 61, (67, 69), and (79-82)

Test numbers used for the *Floating-point* average:

2, 4, 17, 19, 54, 55, 59, 60, 62, (68, 70), (83-86), 88, 90, 96, and 98

Test numbers used for the *Overall* average:

3, 16, 18, (28, 34), 51, 52, 53, 56, 58, 61, (67, 69), (79-82), 2, 17, (4, 19), 54, 55, (59, 60), 62, (68, 70), (83-86), 88, (90, 96), 98, 1, 31, 46, and 75

These test numbers are also indicated by an *I*, *F*, or *O* on the first page of the raw and normalised data tables. *I* for Integer, *F* for floating-point, and *O* for overall.

The instances of (x, y) indicate that x and y results were averaged. This is needed for cases whereby two tests were utilised from a single benchmark suite. Not averaging these values would give more weight to a specific benchmark program. For the *Overall* average score, some benchmark pairs needed to be averaged to reduce the number of floating point tests to equal the number of integer tests. In this way *Integer* and *Floating-point* tests are given the same total weight for the *Overall* average.

Although the hardware remained constant for these tests, the motherboard had to be changed for different PGA platforms, however all socket 7, socket 3, slot 1, etc CPUs were tested on the same respective motherboard. The exception to this rule was with VIA Nehemiah, Samuel, and Ezra CPUs, which only worked well on certain motherboards. Refer to the footnotes in the raw and normalised data tables for more information.

When transitioning from the socket 7 to the super 7 motherboard, some cross-over exists whereby the same CPU was tested on both motherboards. This was deliberate and was intended to offer some comparison between the i430TX chipset and the VIA MVP3. When browsing through the charts, it may not be immediately obvious if a socket 7 CPU was tested on the socket 7 or super socket 7 motherboard. If the CPU is listed as using a 95 or 100 MHz FSB, e.g. 100 / 3.0x, then it was tested on the super 7 motherboard. If the FSB is between 66 – 83 MHz, assume it is tested on the socket 7 motherboard, unless the name is followed by the “SS7” suffix, in which case it was tested on the super socket 7 motherboard. The subscripts listed on the raw data table also identify which motherboard was used for every CPU. The raw data table also lists the s-spec and CPUID for each CPU tested.

From the raw and normalised data tables, a simpler table was created to more easily identify the results for Integer, Floating-point, Overall, Quake 1, Quake 2, Quake 2 - OpenGL, Doom, PassMark - MMX, and 3DMark99Max. This table can be found under the heading *SELECT BENCHMARK RESULTS – LISTED BY CPU*. The results from this table are then rearranged in descending order based on benchmark score under the heading *INTEGER PERFORMANCE – RANKED IN DESCENDING ORDER*, and continued for Floating-point, Overall, Quake 1, Quake 2, etc.

Following the tables are bar charts containing 20 different CPUs – all run at 133 MHz. These charts give a quick means to compare the performance of different CPU architectures on a clock-for-clock basis. These charts offers a quick means to estimate if, for example, a Pentium II outperforms an AMD K6-2 at any mutual frequency. If the PII scores better than the AMD K6-2 at 133 MHz, it is also likely better at 450 MHz. The FSB and multiplier used for the 133 MHz comparison is assumed to be 66 x 2, respectively, unless noted otherwise on the charts.

In most cases, the author of this work tested each CPU, with the exception of the socket 8 and slot 2 CPUs. These CPUs were tested by vogons.zetafleet.com user luckybob. Some Xeons were also loaned by vogons.zetafleet.com user m1919 for testing by luckybob. The AMD K5-133 chip was lent by cpu-world.com user jrmunro for testing. The BIOS for the Biostar MB-8500TTD socket 7 motherboard was modified by Jan Steunebrink to allow for usage of AMD K6-2, K6-2+, K6-3, and K6-3+ CPUs. BIOS modifications were also made to allow for the usage of 4.0x multipliers on Cyrix 6x86MX/MII CPUs. Many thanks to all those who assisted in this endeavour!

REQUIRED SOFTWARE

- Windows 98SE
- Matrox G200 driver version 6.28
- Unofficial Service Pack 2.1a
- Internet Explorer 6
- DirectX 6.1a
- Benchmark programs:

DOS ‡	Windows
Symantec Sysinfo v8.0	SuperPi v1.1
PiDOS	Ziff-Davis Winbench96
Landmark v2.0	Ziff-Davis Winbench99
Bytemark v2, 32-bit	Ziff-Davis 3D Winbench97
Roy Longbottom Dhrystone v1.1	WinTune98
Roy Longbottom Whetstone	Sandra99
Speedsys v4.78	PassMark v4.0
Cachechk v7.0	3DMark99Max @ 800x600
3Dbench v1.0c	Final Reality v1.01
Doom v1	MDK
Pcpbench v1.04 @ 640x400 8bpp LFB	Quake II v3.20* @ 640x480
Quake v1.06 @ 640x480 (no sound)	

‡ FastVid was not enabled for testing. Enabling FastVid may increase highly graphic DOS-based benchmark scores, such as 3Dbench and Doom, when using a Pentium Pro, Pentium II, or Pentium III CPU.

* Note that the 3DNow! patch for Quake II was not used. The knowledge of this patch came after all results were tabulated. This patch allows Quake II to utilise 3DNow! instructions and greatly improves the frame rate for 3DNow!-enabled CPUs. For this study, the CPUs which would benefit from this patch are the AMD K6-2, AMD K6-3, AMD K6-3+, AMD K6-2+, IDT WinChip2, and AMD Athlon. There are reports that applying the patch increases frame rates on an AMD K6-2 by ~20%.

SOFTWARE CLARIFICATIONS

Matrox driver versions:

AMD X5, Intel DX4, IBM 5x86, and non-MX Cyrix/IBM 6x86 CPUs required Matrox driver version 4.33c to boot into Windows 98. All other CPUs used Matrox driver version 6.28. Benchmarks requiring OpenGL, which were 3DMark99Max and Quake2 - OpenGL, did not function properly with driver version 4.33c. For these two benchmark programs and with the above noted CPUs only, Matrox driver version 5.07 was used in Windows NT 4.0 to acquire the data.

Speedsys confusion in raw and normalised tables:

Max of Ave L1 Cache (test 31): Tests 31, 32, and 33 are calculated by Speedsys and displayed on the main graph automatically. This is what Speedsys appears to be doing with these speeds: taking the average of non-MMX L1 cache speeds for read, write, and move; taking the average of MMX L1 cache speeds for read, write, and move; displaying the maximum of these two averages on line 31 (for L1), line 32 (for L2), and line 33 (for memory). This seemed somewhat unfair for CPUs which did not have an MMX unit. For the integer tests, I used the average (read, write, move) non-MMX L1 speed (test 34). Test 31, however, was used for part of the *Overall* score.

Max L1 Cache (test 37): Displays the maximum non-MMX cache speed, that is, the maximum of read, write, or move. In most cases, the L1 read speed is the maximum, but for some CPUs, it is move or write.

In Speedsys and Cachechk tests, whereby two L2 cache speeds exist, e.g. 388 / 168, the second tabulated speed represents the motherboard's L2 cache speed and the first tabulated speed is the CPU's L2 cache. All other incidences of L2 refer to the motherboard's L2 cache.

Commands for:

Quake 1	Quake 2	DOOM
timedemo demo1	timedemo 1	doom -timedemo demo1
	map demo1.dm2	gametics/realtics*35

REQUIRED HARDWARE

- PCI Matrox G200 w/16MB (screen resolution at 1280x1024x16bit)
- PCI Yamaha DS-XG sound card
- 64 MB PC100 SDRAM (1 stick only)
- For the Cyrix/IBM 5x86 tests, the following register settings were used:

```
RSTK_EN = 0      LSSER = 0      BWRT = 1      MEM_BYP = 1
BTB_EN = 1      USE_WBAK = 1    LINBRST = 1    DTE_EN = 1
LOOP_EN = 0     WT = 1         FP_FAST = 1
```

- For the Cyrix/IBM 6x86 tests, the following register settings were used:

```
NO_LOCK = 1      LINBRST = 0 (limitation of 430TX)
WT_ALLOC = 1     LINBRST = 1 (for VIA Apollo MVP3)
```

Motherboard	Chipset	Socket
Biostar MB-8433UUD, 512kb L2 cache	UMC 8881F / 8886BF	Socket 3
Biostar MB-8500TTD, 512kb L2 MCache	Intel 430TX	Socket 7
FIC PA-2013, 1mb PB L2 cache	VIA Apollo MVP3 - 598AT / 568B	Super Socket 7
Asus P3V4X	VIA Apollo Pro 133A - 694X / 596B	Slot 1
Asus TuSL2-C	Intel 815EP	Socket 370
Gigabyte 6VX7-4X	VIA Apollo Pro 133A - 694X / 686A	Socket 370
MSI MS-6167	AMD-750 Irongate - 751 / 756	Slot A
Asus P/I-P65UP5 (C-P6ND CPU card)	Intel 440FX	Socket 8
ECS P5GX-M	MediaGX + CX5530	Socket 7-GXM
Asus XG-DLS	Intel 440GX	Slot 2

The tested CPUs are noted on the following page. For the 8 CPUs which have "simulated" as part of the title, the results for these were linearly extrapolated from other same brand CPUs with similar architecture. When extrapolating the data, at least 3 data points were used to form a linear fit. These host CPUs had the same front-side bus as the CPU being simulated. Very little standard deviation was noted with this linearization.

Some CPUs in the 60-600 MHz range (100 MHz FSB or less) which were not available for testing include,

- Intel PIII Xeon - 600 MHz
- Intel PII Dechutes - 450 MHz
- Intel PIII Coppermine - 500 & 550 MHz
- Intel Pentium P5 - 60 & 66 MHz
- All NexGen CPUs.

Results for the original Pentium P5 - 60 CPU were extrapolated from P90/P120/P150 data, and similarly, the P5 - 66 data was extrapolated from P100/P133/P166/P200 data. In these cases, the results simulate a P60/P66 on a socket 7 motherboard with "pipeline burst equivalent" Mcache. These simulated P5 results will be elevated by an amount which equates to the natural speed difference between a socket 4 and a socket 7 motherboard. This is perhaps somewhere in the 0-15% range.

In most cases, if you try to run a PII Klamath with a 2.0x multiplier, the onboard L2 cache will get disabled on motherboards with a chipset other than a 440FX. For the VIA Apollo Pro chipset (and 440BX), it was discovered that setting the CLKMUL jumper to 5.0x allows the CPU to run at 2.0x with L2 enabled. While some speed measuring programs may indicate the FSB as 26.7 MHz, multiple tests seem to indicate that the FSB is actually at 66 MHz.

As for as data analysis goes, I think I will leave this task to the reader... at least for now.

BENCHMARKED CPUS

SOCKET 7

Cyrix 6x86-75 (75 x 1)
Cyrix 6x86-83 (83 x 1)
Cyrix 6x86-100 (50 x 2)
Cyrix 6x86-110 (55 x 2)
Cyrix 6x86-120 (60 x 2)
Cyrix 6x86-133 (66 x 2)
Cyrix 6x86L-150 (75 x 2)
Cyrix 6x86MX-133 (66 x 2)
Cyrix 6x86MX-150 (60 x 2.5)
Cyrix 6x86MX-166 (66 x 2.5)
Cyrix 6x86MX-200 (66 x 3)
Cyrix 6x86MII-232 (66 x 3.5)
Cyrix 6x86MII-250 (83 x 3)
Cyrix 6x86MII-262 (75 x 3.5)
Cyrix 6x86MII-266 (66 x 4)
Cyrix 6x86MII-292 (83 x 3.5)
Cyrix 6x86MII-300 (75 x 4)
Cyrix 6x86MII-333 (83 x 4)
AMD K5-75 (50 x 1.5)
AMD K5-90 (60 x 1.5)
AMD K5-100 (66 x 1.5)
AMD K5-105 (60 x 1.75)
AMD K5-117 (66 x 1.5)
AMD K5-120 (60 x 2)
AMD K5-125 (83 x 1.5)
AMD K5-133 (66 x 2)
AMD K6-133 (66 x 2)
AMD K6-166 (66 x 2.5)
AMD K6-200 (66 x 3)
AMD K6-233 (66 x 3.5)
AMD K6-262 (75 x 3.5)
AMD K6-266 (66 x 4)
AMD K6-292 (83 x 3.5)
AMD K6-300 (66 x 4.5)
AMD K6-300 (75 x 4)
AMD K6-333 (83 x 4)
AMD K6-2-133 (66 x 2)
AMD K6-2-233 (66 x 3.5)
AMD K6-2-266 (66 x 4)
AMD K6-2-300 (75 x 4)
AMD K6-2-333 (83 x 4)
AMD K6-2+-133 (66 x 2)
AMD K6-2+-300 (75 x 4)
AMD K6-3+-133 (66 x 2)
AMD K6-3+-300 (75 x 4)
AMD K6-3+-333 (83 x 4)
AMD K6-3+-500 (83 x 6)
Intel P54C-75 (50 x 1.5)
Intel P54C-90 (60 x 1.5)
Intel P54C-100 (66 x 1.5)
Intel P54C-120 (60 x 2)
Intel P54C-133 (66 x 2)
Intel P54C-150 (60 x 2.5)
Intel P54C-166 (66 x 2.5)
Intel P54C-200 (66 x 3)
Intel P55C-133 (66 x 2)
Intel P55C-166 (66 x 2.5)
Intel P55C-200 (66 x 3)
Intel P55C-233 (66 x 3.5)
Intel P55C-262 (75 x 3.5)
Intel P55C-300 (75 x 4) - Simulated
IDT Winchip C6-133 (66 x 2)
IDT Winchip C6-200 (66 x 3)
IDT Winchip2A-133 (50 x 2.66)
IDT Winchip2A-133 (66 x 2) - Simulated
IDT Winchip2A-166 (66 x 3.5)

IDT Winchip2A-200 (66 x 3)
IDT Winchip2A-225 (75 x 3)
IDT Winchip2A-233 (66 x 3.5)
IDT Winchip2A-240 (60 x 4)
IDT Winchip2A-250 (83 x 3)
IDT Winchip2A-262 (75 x 3.5)
Rise mP6-133 (66 x 2)
Rise mP6-166 (66 x 2.5)
Rise mP6-166 (83 x 2.5)
Rise mP6-200 (66 x 3)
Rise mP6-208 (83 x 2.5)
Rise mP6-233 (66 x 3.5) - Simulated

SUPER SOCKET 7

Cyrix 6x86MII-250 (100 x 2.5)
Cyrix 6x86MII-285 (83 x 3)
Cyrix 6x86MII-300 (75 x 4)
Cyrix 6x86MII-300 (100 x 3)
Cyrix 6x86MII-333 (83 x 4)
Cyrix 6x86MII-350 (83 x 4.5)
Cyrix 6x86MII-400 (100 x 4)
AMD K6-300 (75 x 4)
AMD K6-300 (100 x 3)
AMD K6-2-300 (100 x 3)
AMD K6-2-350 (100 x 3.5)
AMD K6-2-400 (66 x 6)
AMD K6-2-400 (100 x 4)
AMD K6-2-450 (100 x 4.5)
AMD K6-2-500 (100 x 5)
AMD K6-2-550 (100 x 5.5)
AMD K6-2-600 (100 x 6)
AMD K6-2+-350 (100 x 3.5)
AMD K6-2+-400 (100 x 4)
AMD K6-2+-450 (100 x 4.5)
AMD K6-2+-500 (100 x 5)
AMD K6-2+-550 (100 x 5.5)
AMD K6-2+-600 (100 x 6)
AMD K6-3+-350 (100 x 3.5)
AMD K6-3+-400 (66 x 6)
AMD K6-3+-400 (100 x 4)
AMD K6-3+-450 (100 x 4.5)
AMD K6-3+-500 (83 x 6)
AMD K6-3+-500 (100 x 5)
AMD K6-3+-550 (100 x 5.5)
AMD K6-3+-600 (100 x 6)
Intel P55C-250 (100 x 2.5)
Intel P55C-262 (75 x 3.5)
Intel P55C-300 (100 x 3)
Winchip2A-233 (100 x 2.33)
Winchip2A-250 (100 x 2.5)
Rise mP6-200 (100 x 2)

SOCKET 7-GXM

Cyrix MediaGX-133 (33 x 4) - Simulated
Cyrix MediaGX-150 (30 x 5)
Cyrix MediaGX-166 (33 x 5)
Cyrix MediaGX-180 (30 x 6)
Cyrix MediaGX-200 (33 x 6)
Cyrix MediaGX-233 (33 x 7)
Cyrix MediaGX-266 (33 x 8)
Cyrix MediaGX-300 (33 x 9) - Simulated
Cyrix MediaGX-333 (33 x 10) - Simulated

SOCKET 4

Intel P5-60 (60 x 1) - Simulated
Intel P5-66 (66 x 1) - Simulated

SOCKET 3

IBM 5x86c-100 (50 x 2)
IBM 5x86c-120 (60 x 2)
IBM 5x86c-133 (66 x 2)
AMD X5-133 (33 x 4)
AMD X5-160 (40 x 4)
Intel DX4WB-133 (66 x 2)
Intel P24T-83 (33 x 2.5)
Intel P24T-100 (40 x 2.5)

SOCKET 8

Intel P6-133 / 256k (66 x 2)
Intel P6-150 / 256k (60 x 2.5)
Intel P6-166 / 256k (66 x 2.5)
Intel P6-180 / 256k (60 x 3)
Intel P6-200 / 256k (66 x 3)
Intel P6-210 / 256k (60 x 3.5)
Intel P6-233 / 256k (66 x 3.5)
Intel P6-133 / 1mb (66 x 2)
Intel P6-166 / 1mb (66 x 2.5)
Intel P6-200 / 1mb (66 x 3)
Intel P6-233 / 1mb (66 x 3.5)
Intel PI10D-300 (60 x 5)
Intel PI10D-333 (66 x 5)

SLOT 1

Intel PII-Klamath-133 (66 x 2)
Intel PII-Klamath-166 (66 x 2.5)
Intel PII-Klamath-200 (66 x 3)
Intel PII-Klamath-233 (66 x 3.5)
Intel PII-Klamath-266 (66 x 4)
Intel PII-Klamath-300 (100 x 3)
Intel PII-Dechutes-350 (100 x 3.5)
Intel PII-Dechutes-400 (100 x 4)
Intel PIII-Katmai-500 (100 x 5)
Intel PIII-Katmai-550 (100 x 5.5)
Intel PIII-Katmai-600 (100 x 6)
Intel PIII-Coppermine-600 (100 x 6)
Intel Celeron-Mendocino-300 (66 x 4.5)
Intel Celeron-Mendocino-400 (66 x 6)
Intel Celeron-Mendocino-450 (100 x 4.5)

SLOT 2

Intel PII-Xeon-400 / 512k (100 x 4)
Intel PII-Xeon-400 / 2mb (100 x 4)
Intel PII-Xeon-450 / 512k (100 x 4.5)
Intel PII-Xeon-450 / 2mb (100 x 4.5)
Intel PIII-Xeon-500 / 512k (100 x 5)
Intel PIII-Xeon-550 / 512k (100 x 5.5)

SLOT A

AMD Athlon-500 (100 x 5)
AMD Athlon-600 (100 x 6)

SOCKET 370

VIA C3-Samuel-550 (100 x 5.5)
VIA C3-Samuel-600 (100 x 6)
VIA C3-Samuel2-600 (100 x 6)
VIA C3-Ezra-600 (100 x 6)
VIA C3-Nehemiah-400 (66 x 6)
VIA C3-Nehemiah-600 (66 x 6)
VIA C3-Nehemiah-600(100 x 6)

SELECT BENCHMARK RESULTS – LISTED BY CPU

CPU	Integer	Float	Overall	Quake1	Quake2	Quake2 OpenGL	Doom	PassMark MMX	3DMark99Max CPU 3DMarks
IBM 5x86c, 100 MHz, 50 / 2.0x	34.6	28.4	33.0	4.8	3.3	6.1	50.3	-	-
IBM 5x86c, 120 MHz, 60 / 2.0x	38.9	32.6	37.8	5.3	3.8	6.8	53.2	-	-
IBM 5x86c, 133 MHz, 66 / 2.0x	43.3	36.2	42.1	5.9	4.1	7.6	60	-	-
Cyrix MediaGX, 133 MHz, 33 / 4.0x	41.1	31.7	38.7	6.5	3.7	5.9	53.3	5.7	419
Cyrix MediaGX, 150 MHz, 30 / 5.0x	45.0	35.0	42.8	6.9	4.1	6.3	57.2	6.3	471
Cyrix MediaGX, 166 MHz, 33 / 5.0x	50.4	39.5	48.1	7.7	4.6	7.4	63.9	7.2	529
Cyrix MediaGX, 180 MHz, 30 / 6.0x	53.3	42.0	51.1	8	5	7.7	64.2	7.8	567
Cyrix MediaGX, 200 MHz, 33 / 6.0x	59.7	47.3	57.3	9	5.6	8.4	71.7	8.8	638
Cyrix MediaGX, 233 MHz, 33 / 7.0x	68.1	54.1	65.7	9.9	6.4	9.9	77.6	10.2	739
Cyrix MediaGX, 266 MHz, 33 / 3.0x	76.6	61.5	74.5	10.7	7.3	10.7	82.5	11.6	846
Cyrix MediaGX, 300 MHz, 33 / 9.0x	86.4	69.4	84.0	12	8.3	12.2	91.4	13.2	956
Cyrix MediaGX, 333 MHz, 33 / 10.0x	95.0	76.8	92.9	13.1	9.2	13.4	98.9	14.7	1062
Cyrix 6x86, 75 MHz, 75 / 1.0x	46.9	26.7	41.0	5.5	3.6	5.3	62.2	-	-
Cyrix 6x86, 83 MHz, 83 / 1.0x	51.5	29.8	45.3	6.2	4.1	5.8	59	-	-
IBM 6x86, 100 MHz, 50 / 2.0x	56.4	33.3	51.1	6.9	4.4	7.1	57.8	-	-
IBM 6x86, 110 MHz, 55 / 2.0x	62.3	36.6	56.3	7.6	4.8	7.8	63.2	-	-
IBM 6x86, 120 MHz, 60 / 2.0x	68.1	40.0	61.5	8.2	5.3	8.4	68.8	-	-
IBM 6x86, 133 MHz, 66 / 2.0x	75.4	44.3	68.2	9.1	5.9	9.2	75.8	-	-
Cyrix 6x86L, 150 MHz, 75 / 2.0x	84.6	50.0	76.6	10.3	6.7	10.2	84.4	-	-
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	78.9	48.7	70.6	9.3	6.3	12.3	75.6	14.8	632
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	85.7	53.4	77.6	9.8	6.8	13.3	76.6	15.9	705
IBM 6x86MX, 166 MHz, 66 / 2.5x	95.5	60.0	86.6	10.8	8	14.7	84.6	18	804
IBM 6x86MX, 200 MHz, 66 / 3.0x	114.5	71.5	102.6	12.9	9.2	17.3	93.6	22.7	960
Cyrix MII, 233 MHz, 66 / 3.5x	126.8	79.2	116.4	13.3	9.9	17.7	97.1	24.5	1067
Cyrix MII, 250 MHz, 83 / 3.0x	138.1	86.6	123.3	15.3	11.1	20.4	112	27.1	1164
Cyrix MII, 250 MHz, 100 / 2.5x	140.9	88.8	125.2	15.4	11.4	21.4	104	27.6	1192
Cyrix MII, 262 MHz, 75 / 3.5x	142.7	89.0	127.5	15	11.2	19.8	108	28.7	1199
Cyrix MII, 266 MHz, 66 / 4.0x	144.1	89.9	128.8	14.9	11.2	20.5	121	27.9	1225
Cyrix MII, 285 MHz, 95 / 3.0x	156.0	98.8	139.8	16	12.5	22.8	105	30.9	1343
Cyrix MII, 292 MHz, 83 / 3.5x	158.9	98.7	141.9	16.7	12.5	22.6	118	31.9	1337
Cyrix MII, 300 MHz, 75 / 4.0x	159.7	99.8	143.4	16.5	12.3	21.7	112	31.3	1356
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	161.5	101.2	144.6	16.6	12	23	115	31.7	1369
Cyrix MII, 300 MHz, 100 / 3.0x	163.8	103.1	146.6	16.8	13.1	24	110	32.4	1410
Cyrix MII, 333 MHz, 83 / 4.0x	176.9	111.6	159.3	18.3	14.4	25	123	26.4	1520
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	173.1	110.8	157.1	15.7	13.5	24.6	98.9	35.3	1522
Cyrix MII, 350 MHz, 100 / 3.5x	186.0	117.9	167.8	17.8	14.8	26.1	114	37.4	1629
Cyrix MII, 400 MHz, 100 / 4.0x	208.6	132.3	189.1	19.1	16.5	28.5	119	42.3	1847
AMD X5, 133 MHz, 33 / 4.0x	36.4	25.0	31.6	4.7	3.2	5.8	54.5	-	-
AMD X5, 160 MHz, 40 / 4.0x	43.0	29.8	37.5	5.5	3.9	6.7	64	-	-
AMD K5, 75 MHz, 50 / 1.5x	45.7	30.4	40.4	7.2	4.4	9.3	57	-	573
AMD K5, 90 MHz, 60 / 1.5x	54.5	35.9	48.1	8.6	5.4	11.3	67.7	-	686
AMD K5, 100 MHz, 66 / 1.5x	60.4	40.1	53.4	9.5	6	12.6	74.8	-	763
AMD K5, 105 MHz, 60 / 1.75x	63.0	41.1	55.9	9.2	5.8	12.5	72.5	-	801

CPU	Integer	Float	Overall	Quake1	Quake2	Quake2 OpenGL	Doom	PassMark MMX	3DMark99Max CPU 3DMarks
AMD K5, 117 MHz, 66 / 1.5x	69.5	45.8	61.7	10.2	6.5	13.8	80	-	887
AMD K5, 120 MHz, 60 / 2.0x	69.3	46.2	62.0	10.1	6.5	13.7	76.6	-	900
AMD K5, 125 MHz, 83 / 1.5x	77.5	50.1	67.7	11.5	7.3	15.5	92.1	-	957
AMD K5, 133 Mhz, 66 / 2.0x	77.2	51.5	69.1	11.2	7.2	15.1	84.4	-	1000
AMD K6, 133 MHz, 66 / 2.0x	81.1	56.9	75.8	10	6.5	13.3	75.1	17.6	744
AMD K6, 166 MHz, 66 / 2.5x	95.6	68.9	91.1	11.4	7.7	15.7	81.3	21.4	912
AMD K6, 200 MHz, 66 / 3.0x	110.0	80.5	106.4	12.7	8.8	17.7	85.8	24.1	1071
AMD K6, 233 MHz, 66 / 3.5x	121.7	92.6	120.7	13.7	9.9	20.1	89.3	27.9	1292
AMD K6, 262 MHz, 75 / 3.5x	139.9	105.2	137.4	15.4	11.4	22.8	99.6	32.1	1472
AMD K6, 266 MHz, 66 / 4.0x	138.1	104.8	136.9	14.9	11	22.1	93.5	30.5	1462
AMD K6, 292 MHz, 83 / 3.5x	154.5	116.8	150.1	17.1	12.4	23.7	110	34.2	1615
AMD K6, 300 MHz, 66 / 4.5x	150.3	115.0	147.5	15.5	11.8	22.7	94.6	34.6	1605
AMD K6, 300 MHz, 75 / 4.0x	154.1	118.4	151.1	16.8	12.4	23.7	104	35.5	1646
AMD K6, 300 MHz, 75 / 4.0x, SS7	157.9	119.7	153.3	17	12.7	24.7	106	35.3	1656
AMD K6, 300 MHz, 100 / 3.0x	163.7	124.4	158.3	17.2	13.8	26.2	104	37.1	1724
AMD K6, 333 MHz, 83 / 4.0x	173.3	131.6	168.9	18.7	13.9	26.2	115	40.4	1834
AMD K6-2, 133 MHz, 66 / 2.0x	82.5	71.2	84.0	10.1	6.6	14.3	76.3	21.8	-
AMD K6-2, 233 MHz, 66 / 3.5x	125.9	117.1	135.6	14.2	10.2	20.6	88.7	38.4	3487
AMD K6-2, 266 MHz, 66 / 4.0x	139.1	130.6	151.5	15	11.3	22.6	92.2	44.4	3829
AMD K6-2, 300 MHz, 75 / 4.0x	155.7	146.1	167.8	16.8	12.4	24.3	103	50.6	4311
AMD K6-2, 300 MHz, 100 / 3.0x	165.2	155.3	176.2	17.5	14.1	26.3	104	50.4	4762
AMD K6-2, 333 MHz, 83 / 4.0x	170.2	162.3	185.2	18.4	13.9	25.5	113	54.6	4698
AMD K6-2, 350 MHz, 100 / 3.5x	185.0	174.7	199.0	18.3	15.6	27.9	106	58.1	5298
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	188.6	179.0	207.0	17.2	14.4	26.2	98.7	63.7	4776
AMD K6-2, 400 MHz, 100 / 4.0x	204.3	195.0	222.1	19.1	17	29.7	108	65.5	5806
AMD K6-2, 450 MHz, 100 / 4.5x	220.7	211.9	242.2	19.6	18.2	29.9	109	73.3	6179
AMD K6-2, 500 MHz, 100 / 5.0x	238.9	229.7	263.6	20	19.3	31.3	110	80.9	6586
AMD K6-2, 550 MHz, 100 / 5.5x	256.9	246.7	284.4	20.4	20.5	31.8	111	87.7	6884
AMD K6-2, 600 MHz, 100 / 6.0x	275.5	266.0	306.7	21.2	21.9	33.3	113	95.6	7404
AMD K6-2+, 133 MHz, 66 / 2.0x	83.4	73.8	85.6	9.5	6.8	15.3	76.8	23	2296
AMD K6-2+, 300 MHz, 75 / 4.0x	166.1	151.4	175.5	16	13.2	25.4	109	49.4	4350
AMD K6-2+, 350 MHz, 100 / 3.5x	196.7	184.7	209.4	18.5	16.8	29.6	112	58.3	5624
AMD K6-2+, 400 MHz, 100 / 4.0x	218.9	201.6	232.1	19.3	18.6	31	115	66.6	6211
AMD K6-2+, 450 MHz, 100 / 4.5x	242.7	226.2	259.7	20.2	20.2	32	118	73	6720
AMD K6-2+, 500 MHz, 100 / 5.0x	264.9	246.2	284.3	20.6	21.6	32.8	119	81.6	7132
AMD K6-2+, 550 MHz, 100 / 5.5x	283.3	266.3	307.7	21.2	23.3	33.4	120	89.2	7702
AMD K6-2+, 600 MHz, 100 / 6.0x	303.5	283.8	330.0	21.3	24.2	33.9	121	95.5	8040
AMD K6-3+, 133 MHz, 66 / 2.0x	85.5	74.6	86.9	9.5	6.8	15.3	78.4	23.5	2411
AMD K6-3, 300 MHz, 75 / 4.0x	174.9	156.6	181.8	16.5	13.9	27	112	51	4768
AMD K6-3, 333 MHz, 83 / 4.0x	197.3	172.5	202.8	18.9	15.2	28.7	125	56.8	5199
AMD K6-3, 350 MHz, 100 / 3.5x	205.8	186.8	214.5	18.7	17	30.4	114	59.7	5842
AMD K6-3+, 400 MHz, 66 / 6.0x	224.8	198.5	233.8	17.8	16.7	29.9	113	67.2	5615
AMD K6-3+, 400 MHz, 100 / 4.0x	228.4	208.3	239.8	19.4	18.8	31.5	117	67.4	6479
AMD K6-3+, 450 MHz, 100 / 4.5x	253.6	229.3	266.2	20.3	20.4	32.6	119	75.8	6974
AMD K6-3+, 500 MHz, 83 / 6.0x	273.2	243.8	287.7	21.6	20.5	32.5	135	84.4	6988
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	267.5	241.7	283.3	16.7	20.5	32.2	105	80.5	6985
AMD K6-3+, 500 MHz, 100 / 5.0x	276.8	250.0	291.6	20.7	22.1	33.3	121	83.7	7516

CPU	Integer	Float	Overall	Quake1	Quake2	Quake2 OpenGL	Doom	PassMark MMX	3DMark99Max CPU 3DMarks
AMD K6-3+, 550 MHz, 100 / 5.5x	299.4	271.1	317.1	21.3	23.7	33.9	122	91.8	8153
AMD K6-3+, 600 MHz, 100 / 6.0x	322.8	275.1	333.2	22	25.4	35 C	123	100	8691
AMD Athlon, 500 MHz, 100 / 5.0x	266.9	311.0	324.1	17.6	35.1	37.1	96.2	87.5	9723
AMD Athlon, 600 MHz, 100 / 6.0x	313.3	355.4	378.0	17.9	39.9	38	99.4	104	10939
Intel DX4, 133 MHz, 66 / 2.0x	40.0	27.0	34.3	5	3.7	6.3	60	-	-
Intel Pentium P24T, 83 MHz, 33 / 2.5x	36.8	34.5	35.7	5.4	4.6	7.9	54.1	-	559
Intel Pentium P24T, 100 MHz, 40 / 2.5x	43.7	40.9	42.5	6.5	5.5	9	63.8	-	668
Intel Pentium P5, 60 MHz, 60 / 1.0x	34.0	31.9	32.2	8.6	5	8.5	47.5	-	506
Intel Pentium P5, 66 MHz, 66 / 1.0x	38.4	36.3	36.3	9.9	5.6	10.3	54.2	-	572
Intel Pentium P54C, 75 MHz, 50 / 1.5x	36.9	36.2	36.1	8.3	4.9	8.5	46.5	-	572
Intel Pentium P54C, 90 MHz, 60 / 1.5x	44.2	43.0	43.1	9.9	6	10.1	55.3	-	687
Intel Pentium P54C, 100 MHz, 66 / 1.5x	49.0	48.0	47.9	11	6.6	11.6	61	-	762
Intel Pentium P54C, 120 MHz, 60 / 2.0x	55.2	54.7	54.6	11.7	7.4	12.1	64.8	-	885
Intel Pentium P54C, 133 MHz, 66 / 2.0x	61.5	61.4	61.0	13	8.2	14	71.6	-	982
Intel Pentium P54C, 150 MHz, 60 / 2.5x	65.0	65.2	65.1	12.8	8.2	13.5	71.7	-	1057
Intel Pentium P54C, 166 MHz, 66 / 2.5x	72.0	72.6	72.3	14.2	9.2	15.4	79	-	1179
Intel Pentium P54C, 200 MHz, 66 / 3.0x	82.4	84.0	83.7	15.2	10.2	16.5	84.9	-	1357
Intel Pentium P55C, 133 MHz, 66 / 2.0x	66.7	65.1	64.8	13.6	9	17	75	13	1036
Intel Pentium P55C, 166 MHz, 66 / 2.5x	78.4	76.9	76.8	15	10.1	17.9	82.6	13.8	1239
Intel Pentium P55C, 200 MHz, 66 / 3.0x	89.9	89.8	89.3	16.1	11.4	21.5	89.2	14.8	1465
Intel Pentium P55C, 233 MHz, 66 / 3.5x	100.0	100.0	100.0	16.7	11.9	22.7	93.3	15.2	1619
Intel Pentium P55C, 250 MHz, 100 / 2.5x	107.8	112.8	109.9	17.7	14.2	25.4	99.3	17.6	1863
Intel Pentium P55C, 262 MHz, 75 / 3.5x	112.0	112.9	112.4	18.7	13.7	25.1	103	17.3	1837
Intel Pentium P55C, 262 MHz, 75 / 3.5x, SS7	109.5	110.7	110.3	17.3	12.3	23.8	103	14.5	1812
Intel Pentium P55C, 300 MHz, 75 / 4.0x	124.2	125.9	125.5	20	14.7	27.4	109	18.3	2056
Intel Pentium P55C, 300 MHz, 100 / 3.0x	126.3	129.4	127.8	18.5	15.3	27.3	105	18.5	2171
Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	73.1	71.3	72.4	8.9	7.6	19.2	58.7	-	1384
Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	77.9	78.5	79.0	9.7	8.2	20.2	57.9	-	1518
Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	89.0	87.3	88.8	10.7	9.2	22.2	64	-	1690
Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	94.3	92.2	94.3	10.3	9.4	22.5	63.5	-	1769
Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	104.6	102.7	100.1	11.5	10.5	24.2	68.6	-	1965
Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	107.3	105.2	108.5	10.8	10.4	24.1	65.6	-	2011
Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	119.1	116.5	121.4	11.9	11.7	25.9	71.1	-	2234
Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	74.8	73.2	75.0	9.1	8.1	21.1	59.9	-	1416
Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	91.8	90.4	92.6	11.2	9.8	24.3	65.5	-	1739
Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	108.3	106.8	109.5	12.2	11.4	26.9	71.8	-	2037
Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	124.3	120.8	123.7	12.8	12.8	28	74.6	-	2332
Intel Pentium II OD, 300 MHz, 60 / 5.0x	158.3	158.8	161.4	24.6	13.7	28.3	75.5	43.5	2710
Intel Pentium II OD, 333 MHz, 66 / 5.0x	175.4	176.5	179.2	27.3	15.3	28.5	83.1	51.3	3026
Intel PII, 133 MHz, 66 / 2.0x	74.7	77.7	76.1	9.9	8.6	20.3	63.7	20.7	1415
Intel PII, 166 MHz, 66 / 2.5x	91.4	96.0	93.7	11.2	10.6	23.9	71.5	25.9	1758
Intel PII, 200 MHz, 66 / 3.0x	108.6	114.3	111.7	12.9	12.6	26.8	81	31	2079
Intel PII, 233 MHz, 66 / 3.5x	124.4	131.6	128.7	13.8	14.5	29	84.9	36	2394
Intel PII, 266 MHz, 66 / 4.0x	141.3	149.0	146.1	15.5	16.4	30.6	89.5	41.1	2696
Intel PII, 300 MHz, 100 / 3.0x	161.3	168.3	165.8	18.2	18.5	32.8	101	46.4	3099
Intel PII, 350 MHz, 100 / 3.5x	183.3	190.6	189.5	19	20.9	34.1	103	52.8	3525
Intel PII, 400 MHz, 100 / 4.0x	207.0	214.6	217.7	20	23.4	35.6	106	60.1	3984

CPU	Integer	Float	Overall	Quake1	Quake2	Quake2 OpenGL	Doom	PassMark MMX	3DMark99Max CPU 3DMarks
Intel PIII, 500 MHz, 100 / 5.0x	249.7	279.3	274.6	21.5	27.3	36.9	110	96.1	7734
Intel PIII, 550 MHz, 100 / 5.5x	270.4	300.7	297.4	21.8	29	37.3	111	104	8351
Intel PIII - Kat, 600 MHz, 100 / 6.0x	291.7	324.2	321.4	22.1	31	37.9	112	114	9057
Intel PIII - Cop, 600 MHz, 100 / 6.0x	307.4	331.3	332.1	22.2	32.4	38.2	113	119	9294
Intel Celeron, 300 MHz, 66 / 4.5x	155.4	165.1	162.0	16.2	18.2	31.9	90.8	39.2	2969
Intel Celeron, 400 MHz, 66 / 6.0x	196.8	209.4	206.9	17.8	22.6	34	96.4	51.7	3741
Intel Celeron, 450 MHz, 100 / 4.5x	226.3	224.0	228.9	20.6	25.7	35.9	106	58	1331
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	209.5	215.4	216.0	19.3	23.5	32.9	103	62.7	3967
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	230.8	234.4	237.8	19.9	25.6	34.5	105	68.8	4369
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	209.7	219.4	217.5	19.9	24.8	34.4	103	61.3	4161
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	232.8	243.1	242.0	20.5	27.5	33.9	105	68.7	4623
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	254.2	280.0	272.7	20.9	27.6	35.4	108	98.1	7858
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	276.7	304.9	297.6	20.8	29.4	35.8	109	107	8561
IDT Winchip C6, 133 MHz, 66 / 2.0x	48.6	30.8	39.8	7.9	5.1	9.3	47.1	6.7	452
IDT Winchip C6, 200 MHz, 66 / 3.0x	68.6	47.0	57.7	11.2	7.3	12.9	61.4	9.6	663
IDT Winchip2, 133 MHz, 50 / 2.66x	53.1	52.1	56.5	9.5	6.2	13.2	46.4	11	1554
IDT Winchip2, 133 MHz, 66 / 2.0x	56.7	55.4	59.6	10.8	6.6	14.8	52.8	12.8	1687
IDT Winchip2, 166 MHz, 66 / 2.5x	71.7	65.8	73.2	12.1	7.8	16.7	58.8	14.1	1966
IDT Winchip2, 200 MHz, 66 / 3.0x	78.4	76.0	83.4	13.7	9.2	18.9	65.5	15.9	2274
IDT Winchip2, 225 MHz, 75 / 3.0x	86.8	85.4	93.1	15.3	10.4	20.9	73.3	17.7	2558
IDT Winchip2, 233 MHz, 66 / 3.5x	88.2	85.9	94.7	14.8	10.3	20.7	71.2	16.9	2539
IDT Winchip2, 233 MHz, 100 / 2.33x	93.0	91.8	99.2	15.5	11.2	22.7	73.1	17.9	2792
IDT Winchip2, 240 MHz, 60 / 4.0x	87.8	87.2	95.4	14.2	10	20.3	68.8	16.3	2516
IDT Winchip2, 250 MHz, 83 / 3.0x	97.2	95.4	104.1	17	11.6	22.9	80.9	20	2862
IDT Winchip2, 250 MHz, 100 / 2.5x	97.7	97.3	105.0	16.1	11.9	23.8	75.7	19.3	2973
IDT Winchip2, 262 MHz, 75 / 3.5x	97.8	97.4	106.0	16.6	11.5	22.8	79.2	19	2852
Rise mP6, 133 MHz, 66 / 2.0x	81.3	61.4	76.0	10.6	6.9	13.2	81.9	8.8	601
Rise mP6, 166 MHz, 66 / 2.5x	94.7	72.6	90.2	11.6	7.7	14.9	83.1	9.3	728
Rise mP6, 166 MHz, 83 / 2.0x	101.4	74.4	94.2	13.2	8.8	16.5	100	11	752
Rise mP6, 200 MHz, 66 / 3.0x	111.3	85.2	106.4	13.4	8.8	16.3	94	10.8	861
Rise mP6, 200 MHz, 100 / 2.0x	121.1	92.2	113.7	14.9	10.7	19.7	101	13.4	915
Rise mP6, 208 MHz, 83 / 2.5x	119.1	91.3	113.3	14.4	9.7	17.7	108	11.6	913
Rise mP6, 233 MHz, 66 / 3.5x	125.4	97.1	121.2	14.6	9.7	17.9	98.4	11.6	989
VIA C3 Samuel, 550 MHz, 100 / 5.5x	135.7	109.1	147.3	11	14.1	25.8	68.3	13.6	3233
VIA C3 Samuel, 600 MHz, 100 / 6.0x	145.4	116.7	158.6	11.1	14.9	27.3	70.4	13.9	3424
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	157.8	134.3	174.3	11.5	17.4	30.5	71.6	37.6	4466
VIA C3 Ezra, 600 MHz, 100 / 6.0x	167.7	136.8	152.6	11.5	17.6	32.2	71.6	46.5	4575
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	198.0	132.6	207.4	15.2	22.2	33	96	55.1	-
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	131.6	90.4	137.1	10.2	15.3	28.2	67.2	37	-
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	219.8	119.4	207.9	11.6	21.3	33.9	78.7	55.1	-

INTEGER PERFORMANCE – RANKED IN DESCENDING ORDER

CPU	Integer
AMD K6-3+, 600 MHz, 100 / 6.0x	322.8
AMD Athlon, 600 MHz, 100 / 6.0x	313.3
Intel PIII - Cop, 600 MHz, 100 / 6.0x	307.4
AMD K6-2+, 600 MHz, 100 / 6.0x	303.5
AMD K6-3+, 550 MHz, 100 / 5.5x	299.4
Intel PIII - Kat, 600 MHz, 100 / 6.0x	291.7
AMD K6-2+, 550 MHz, 100 / 5.5x	283.3
AMD K6-3+, 500 MHz, 100 / 5.0x	276.8
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	276.7
AMD K6-2, 600 MHz, 100 / 6.0x	275.5
AMD K6-3+, 500 MHz, 83 / 6.0x	273.2
Intel PIII, 550 MHz, 100 / 5.5x	270.4
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	267.5
AMD Athlon, 500 MHz, 100 / 5.0x	266.9
AMD K6-2+, 500 MHz, 100 / 5.0x	264.9
AMD K6-2, 550 MHz, 100 / 5.5x	256.9
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	254.2
AMD K6-3+, 450 MHz, 100 / 4.5x	253.6
Intel PIII, 500 MHz, 100 / 5.0x	249.7
AMD K6-2+, 450 MHz, 100 / 4.5x	242.7
AMD K6-2, 500 MHz, 100 / 5.0x	238.9
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	232.8
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	230.8
AMD K6-3+, 400 MHz, 100 / 4.0x	228.4
Intel Celeron, 450 MHz, 100 / 4.5x	226.3
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	224.8
AMD K6-2, 450 MHz, 100 / 4.5x	220.7
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	219.8
AMD K6-2+, 400 MHz, 100 / 4.0x	218.9
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	209.7
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	209.5
Cyrix MII, 400 MHz, 100 / 4.0x	208.6
Intel PII, 400 MHz, 100 / 4.0x	207.0
AMD K6-3, 350 MHz, 100 / 3.5x	205.8
AMD K6-2, 400 MHz, 100 / 4.0x	204.3
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	198.0
AMD K6-3, 333 MHz, 83 / 4.0x	197.3
Intel Celeron, 400 MHz, 66 / 6.0x	196.8
AMD K6-2+, 350 MHz, 100 / 3.5x	196.7
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	188.6
Cyrix MII, 350 MHz, 100 / 3.5x	186.0
AMD K6-2, 350 MHz, 100 / 3.5x	185.0
Intel PII, 350 MHz, 100 / 3.5x	183.3
Cyrix MII, 333 MHz, 83 / 4.0x	176.9

Intel Pentium II OD, 333 MHz, 66 / 5.0x	175.4
AMD K6-3, 300 MHz, 75 / 4.0x	174.9
AMD K6, 333 MHz, 83 / 4.0x	173.3
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	173.1
AMD K6-2, 333 MHz, 83 / 4.0x	170.2
VIA C3 Ezra, 600 MHz, 100 / 6.0x	167.7
AMD K6-2+, 300 MHz, 75 / 4.0x	166.1
AMD K6-2, 300 MHz, 100 / 3.0x	165.2
Cyrix MII, 300 MHz, 100 / 3.0x	163.8
AMD K6, 300 MHz, 100 / 3.0x	163.7
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	161.5
Intel PII, 300 MHz, 100 / 3.0x	161.3
Cyrix MII, 300 MHz, 75 / 4.0x	159.7
Cyrix MII, 292 MHz, 83 / 3.5x	158.9
Intel Pentium II OD, 300 MHz, 60 / 5.0x	158.3
AMD K6, 300 MHz, 75 / 4.0x, SS7	157.9
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	157.8
Cyrix MII, 285 MHz, 95 / 3.0x	156.0
AMD K6-2, 300 MHz, 75 / 4.0x	155.7
Intel Celeron, 300 MHz, 66 / 4.5x	155.4
AMD K6, 292 MHz, 83 / 3.5x	154.5
AMD K6, 300 MHz, 75 / 4.0x	154.1
AMD K6, 300 MHz, 66 / 4.5x	150.3
VIA C3 Samuel, 600 MHz, 100 / 6.0x	145.4
Cyrix MII, 266 MHz, 66 / 4.0x	144.1
Cyrix MII, 262 MHz, 75 / 3.5x	142.7
Intel PII, 266 MHz, 66 / 4.0x	141.3
Cyrix MII, 250 MHz, 100 / 2.5x	140.9
AMD K6, 262 MHz, 75 / 3.5x	139.9
AMD K6-2, 266 MHz, 66 / 4.0x	139.1
AMD K6, 266 MHz, 66 / 4.0x	138.1
Cyrix MII, 250 MHz, 83 / 3.0x	138.1
VIA C3 Samuel, 550 MHz, 100 / 5.5x	135.7
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	131.6
Cyrix MII, 233 MHz, 66 / 3.5x	126.8
Intel Pentium P55C, 300 MHz, 100 / 3.0x	126.3
AMD K6-2, 233 MHz, 66 / 3.5x	125.9
Rise mP6, 233 MHz, 66 / 3.5x	125.4
Intel PII, 233 MHz, 66 / 3.5x	124.4
Intel Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	124.3
Intel Pentium P55C, 300 MHz, 75 / 4.0x	124.2
AMD K6, 233 MHz, 66 / 3.5x	121.7
Rise mP6, 200 MHz, 100 / 2.0x	121.1
Intel Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	119.1
Rise mP6, 208 MHz, 83 / 2.5x	119.1

IBM 6x86MX, 200 MHz, 66 / 3.0x	114.5
Intel Pentium P55C, 262 MHz, 75 / 3.5x	112.0
Rise mP6, 200 MHz, 66 / 3.0x	111.3
AMD K6, 200 MHz, 66 / 3.0x	110.0
Intel Pentium P55C, 262 MHz, 75 / 3.5x	109.5
Intel PII, 200 MHz, 66 / 3.0x	108.6
Intel Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	108.3
Intel Pentium P55C, 250 MHz, 100 / 2.5x	107.8
Intel Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	107.3
Intel Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	104.6
Rise mP6, 166 MHz, 83 / 2.0x	101.4
Intel Pentium P55C, 233 MHz, 66 / 3.5x	100.0
IDT Winchip2, 262 MHz, 75 / 3.5x	97.8
IDT Winchip2, 250 MHz, 100 / 2.5x	97.7
IDT Winchip2, 250 MHz, 83 / 3.0x	97.2
AMD K6, 166 MHz, 66 / 2.5x	95.6
IBM 6x86MX, 166 MHz, 66 / 2.5x	95.5
Cyrix MediaGX, 333 MHz, 33 / 10.0x	95.0
Rise mP6, 166 MHz, 66 / 2.5x	94.7
Intel Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	94.3
IDT Winchip2, 233 MHz, 100 / 2.33x	93.0
Intel Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	91.8
Intel PII, 166 MHz, 66 / 2.5x	91.4
Intel Pentium P55C, 200 MHz, 66 / 3.0x	89.9
Intel Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	89.0
IDT Winchip2, 233 MHz, 66 / 3.5x	88.2
IDT Winchip2, 240 MHz, 60 / 4.0x	87.8
IDT Winchip2, 225 MHz, 75 / 3.0x	86.8
Cyrix MediaGX, 300 MHz, 33 / 9.0x	86.4
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	85.7
AMD K6-3+, 133 MHz, 66 / 2.0x	85.5
Cyrix 6x86L, 150 MHz, 75 / 2.0x	84.6
AMD K6-2+, 133 MHz, 66 / 2.0x	83.4
AMD K6-2, 133 MHz, 66 / 2.0x	82.5
Intel Pentium P54C, 200 MHz, 66 / 3.0x	82.4
Rise mP6, 133 MHz, 66 / 2.0x	81.3
AMD K6, 133 MHz, 66 / 2.0x	81.1
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	78.9
Intel Pentium P55C, 166 MHz, 66 / 2.5x	78.4
IDT Winchip2, 200 MHz, 66 / 3.0x	78.4
Intel Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	77.9
AMD K5, 125 MHz, 83 / 1.5x	77.5
AMD K5, 133 MHz, 66 / 2.0x	77.2
Cyrix MediaGX, 266 MHz, 33 / 3.0x	76.6
IBM 6x86, 133 MHz, 66 / 2.0x	75.4

Intel Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	74.8
Intel PII, 133 MHz, 66 / 2.0x	74.7
Intel Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	73.1
Intel Pentium P54C, 166 MHz, 66 / 2.5x	72.0
IDT Winchip2, 166 MHz, 66 / 2.5x	71.7
AMD K5, 117 MHz, 66 / 1.5x	69.5
AMD K5, 120 MHz, 60 / 2.0x	69.3
IDT Winchip C6, 200 MHz, 66 / 3.0x	68.6
IBM 6x86, 120 MHz, 60 / 2.0x	68.1
Cyrix MediaGX, 233 MHz, 33 / 7.0x	68.1
Intel Pentium P55C, 133 MHz, 66 / 2.0x	66.7
Intel Pentium P54C, 150 MHz, 60 / 2.5x	65.0
AMD K5, 105 MHz, 60 / 1.75x	63.0
IBM 6x86, 110 MHz, 55 / 2.0x	62.3
Intel Pentium P54C, 133 MHz, 66 / 2.0x	61.5
AMD K5, 100 MHz, 66 / 1.5x	60.4
Cyrix MediaGX, 200 MHz, 33 / 6.0x	59.7
IDT Winchip2, 133 MHz, 66 / 2.0x	56.7
IBM 6x86, 100 MHz, 50 / 2.0x	56.4
Intel Pentium P54C, 120 MHz, 60 / 2.0x	55.2
AMD K5, 90 MHz, 60 / 1.5x	54.5
Cyrix MediaGX, 180 MHz, 30 / 6.0x	53.3
IDT Winchip2, 133 MHz, 50 / 2.66x	53.1
Cyrix 6x86, 83 MHz, 83 / 1.0x	51.5
Cyrix MediaGX, 166 MHz, 33 / 5.0x	50.4
Intel Pentium P54C, 100 MHz, 66 / 1.5x	49.0
IDT Winchip C6, 133 MHz, 66 / 2.0x	48.6
Cyrix 6x86, 75 MHz, 75 / 1.0x	46.9
AMD K5, 75 MHz, 50 / 1.5x	45.7
Cyrix MediaGX, 150 MHz, 30 / 5.0x	45.0
Intel Pentium P54C, 90 MHz, 60 / 1.5x	44.2
Intel Pentium P24T, 100 MHz, 40 / 2.5x	43.7
IBM 5x86c, 133 MHz, 66 / 2.0x	43.3
AMD X5, 160 MHz, 40 / 4.0x	43.0
Cyrix MediaGX, 133 MHz, 33 / 4.0x	41.1
Intel DX4, 133 MHz, 66 / 2.0x	40.0
IBM 5x86c, 120 MHz, 60 / 2.0x	38.9
Intel Pentium P5, 66 MHz, 66 / 1.0x	38.4
Intel Pentium P54C, 75 MHz, 50 / 1.5x	36.9
Intel Pentium P24T, 83 MHz, 33 / 2.5x	36.8
AMD X5, 133 MHz, 33 / 4.0x	36.4
IBM 5x86c, 100 MHz, 50 / 2.0x	34.6
Intel Pentium P5, 60 MHz, 60 / 1.0x	34.0

FLOATING-POINT PERFORMANCE – RANKED IN DESCENDING ORDER

CPU	Float
AMD Athlon, 600 MHz, 100 / 6.0x	355.4
Intel PIII - Cop, 600 MHz, 100 / 6.0x	331.3
Intel PIII - Kat, 600 MHz, 100 / 6.0x	324.2
AMD Athlon, 500 MHz, 100 / 5.0x	311.0
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	304.9
Intel PIII, 550 MHz, 100 / 5.5x	300.7
AMD K6-2+, 600 MHz, 100 / 6.0x	283.8
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	280.0
Intel PIII, 500 MHz, 100 / 5.0x	279.3
AMD K6-3+, 600 MHz, 100 / 6.0x	275.1
AMD K6-3+, 550 MHz, 100 / 5.5x	271.1
AMD K6-2+, 550 MHz, 100 / 5.5x	266.3
AMD K6-2, 600 MHz, 100 / 6.0x	266.0
AMD K6-3+, 500 MHz, 100 / 5.0x	250.0
AMD K6-2, 550 MHz, 100 / 5.5x	246.7
AMD K6-2+, 500 MHz, 100 / 5.0x	246.2
AMD K6-3+, 500 MHz, 83 / 6.0x	243.8
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	243.1
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	241.7
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	234.4
AMD K6-2, 500 MHz, 100 / 5.0x	229.7
AMD K6-3+, 450 MHz, 100 / 4.5x	229.3
AMD K6-2+, 450 MHz, 100 / 4.5x	226.2
Intel Celeron, 450 MHz, 100 / 4.5x	224.0
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	219.4
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	215.4
Intel PII, 400 MHz, 100 / 4.0x	214.6
AMD K6-2, 450 MHz, 100 / 4.5x	211.9
Intel Celeron, 400 MHz, 66 / 6.0x	209.4
AMD K6-3+, 400 MHz, 100 / 4.0x	208.3
AMD K6-2+, 400 MHz, 100 / 4.0x	201.6
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	198.5
AMD K6-2, 400 MHz, 100 / 4.0x	195.0
Intel PII, 350 MHz, 100 / 3.5x	190.6
AMD K6-3, 350 MHz, 100 / 3.5x	186.8
AMD K6-2+, 350 MHz, 100 / 3.5x	184.7
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	179.0
Intel Pentium II OD, 333 MHz, 66 / 5.0x	176.5
AMD K6-2, 350 MHz, 100 / 3.5x	174.7
AMD K6-3, 333 MHz, 83 / 4.0x	172.5
Intel PII, 300 MHz, 100 / 3.0x	168.3
Intel Celeron, 300 MHz, 66 / 4.5x	165.1
AMD K6-2, 333 MHz, 83 / 4.0x	162.3
Intel Pentium II OD, 300 MHz, 60 / 5.0x	158.8

AMD K6-3, 300 MHz, 75 / 4.0x	156.6
AMD K6-2, 300 MHz, 100 / 3.0x	155.3
AMD K6-2+, 300 MHz, 75 / 4.0x	151.4
Intel PII, 266 MHz, 66 / 4.0x	149.0
AMD K6-2, 300 MHz, 75 / 4.0x	146.1
VIA C3 Ezra, 600 MHz, 100 / 6.0x	136.8
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	134.3
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	132.6
Cyrix MII, 400 MHz, 100 / 4.0x	132.3
AMD K6, 333 MHz, 83 / 4.0x	131.6
Intel PII, 233 MHz, 66 / 3.5x	131.6
AMD K6-2, 266 MHz, 66 / 4.0x	130.6
Intel Pentium P55C, 300 MHz, 100 / 3.0x	129.4
Intel Pentium P55C, 300 MHz, 75 / 4.0x	125.9
AMD K6, 300 MHz, 100 / 3.0x	124.4
Intel Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	120.8
AMD K6, 300 MHz, 75 / 4.0x, SS7	119.7
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	119.4
AMD K6, 300 MHz, 75 / 4.0x	118.4
Cyrix MII, 350 MHz, 100 / 3.5x	117.9
AMD K6-2, 233 MHz, 66 / 3.5x	117.1
AMD K6, 292 MHz, 83 / 3.5x	116.8
VIA C3 Samuel, 600 MHz, 100 / 6.0x	116.7
Intel Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	116.5
AMD K6, 300 MHz, 66 / 4.5x	115.0
Intel PII, 200 MHz, 66 / 3.0x	114.3
Intel Pentium P55C, 262 MHz, 75 / 3.5x	112.9
Intel Pentium P55C, 250 MHz, 100 / 2.5x	112.8
Cyrix MII, 333 MHz, 83 / 4.0x	111.6
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	110.8
Intel Pentium P55C, 262 MHz, 75 / 3.5x, SS7	110.7
VIA C3 Samuel, 550 MHz, 100 / 5.5x	109.1
Intel Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	106.8
Intel Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	105.2
AMD K6, 262 MHz, 75 / 3.5x	105.2
AMD K6, 266 MHz, 66 / 4.0x	104.8
Cyrix MII, 300 MHz, 100 / 3.0x	103.1
Intel Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	102.7
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	101.2
Intel Pentium P55C, 233 MHz, 66 / 3.5x	100.0
Cyrix MII, 300 MHz, 75 / 4.0x	99.8
Cyrix MII, 285 MHz, 95 / 3.0x	98.8
Cyrix MII, 292 MHz, 83 / 3.5x	98.7
IDT Winchip2, 262 MHz, 75 / 3.5x	97.4
IDT Winchip2, 250 MHz, 100 / 2.5x	97.3

Rise mP6, 233 MHz, 66 / 3.5x	97.1
Intel PII, 166 MHz, 66 / 2.5x	96.0
IDT Winchip2, 250 MHz, 83 / 3.0x	95.4
AMD K6, 233 MHz, 66 / 3.5x	92.6
Rise mP6, 200 MHz, 100 / 2.0x	92.2
Intel Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	92.2
IDT Winchip2, 233 MHz, 100 / 2.33x	91.8
Rise mP6, 208 MHz, 83 / 2.5x	91.3
Intel Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	90.4
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	90.4
Cyrix MII, 266 MHz, 66 / 4.0x	89.9
Intel Pentium P55C, 200 MHz, 66 / 3.0x	89.8
Cyrix MII, 262 MHz, 75 / 3.5x	89.0
Cyrix MII, 250 MHz, 100 / 2.5x	88.8
Intel Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	87.3
IDT Winchip2, 240 MHz, 60 / 4.0x	87.2
Cyrix MII, 250 MHz, 83 / 3.0x	86.6
IDT Winchip2, 233 MHz, 66 / 3.5x	85.9
IDT Winchip2, 225 MHz, 75 / 3.0x	85.4
Rise mP6, 200 MHz, 66 / 3.0x	85.2
Intel Pentium P54C, 200 MHz, 66 / 3.0x	84.0
AMD K6, 200 MHz, 66 / 3.0x	80.5
Cyrix MII, 233 MHz, 66 / 3.5x	79.2
Intel Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	78.5
Intel PII, 133 MHz, 66 / 2.0x	77.7
Intel Pentium P55C, 166 MHz, 66 / 2.5x	76.9
Cyrix MediaGX, 333 MHz, 33 / 10.0x	76.8
IDT Winchip2, 200 MHz, 66 / 3.0x	76.0
AMD K6-3+, 133 MHz, 66 / 2.0x	74.6
Rise mP6, 166 MHz, 83 / 2.0x	74.4
AMD K6-2+, 133 MHz, 66 / 2.0x	73.8
Intel Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	73.2
Intel Pentium P54C, 166 MHz, 66 / 2.5x	72.6
Rise mP6, 166 MHz, 66 / 2.5x	72.6
IBM 6x86MX, 200 MHz, 66 / 3.0x	71.5
Intel Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	71.3
AMD K6-2, 133 MHz, 66 / 2.0x	71.2
Cyrix MediaGX, 300 MHz, 33 / 9.0x	69.4
AMD K6, 166 MHz, 66 / 2.5x	68.9
IDT Winchip2, 166 MHz, 66 / 2.5x	65.8
Intel Pentium P54C, 150 MHz, 60 / 2.5x	65.2
Intel Pentium P55C, 133 MHz, 66 / 2.0x	65.1
Cyrix MediaGX, 266 MHz, 33 / 3.0x	61.5
Rise mP6, 133 MHz, 66 / 2.0x	61.4
Intel Pentium P54C, 133 MHz, 66 / 2.0x	61.4

IBM 6x86MX, 166 MHz, 66 / 2.5x	60.0
AMD K6, 133 MHz, 66 / 2.0x	56.9
IDT Winchip2, 133 MHz, 66 / 2.0x	55.4
Intel Pentium P54C, 120 MHz, 60 / 2.0x	54.7
Cyrix MediaGX, 233 MHz, 33 / 7.0x	54.1
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	53.4
IDT Winchip2, 133 MHz, 50 / 2.66x	52.1
AMD K5, 133 MHz, 66 / 2.0x	51.5
AMD K5, 125 MHz, 83 / 1.5x	50.1
Cyrix 6x86L, 150 MHz, 75 / 2.0x	50.0
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	48.7
Intel Pentium P54C, 100 MHz, 66 / 1.5x	48.0
Cyrix MediaGX, 200 MHz, 33 / 6.0x	47.3
IDT Winchip C6, 200 MHz, 66 / 3.0x	47.0
AMD K5, 120 MHz, 60 / 2.0x	46.2
AMD K5, 117 MHz, 66 / 1.5x	45.8
IBM 6x86, 133 MHz, 66 / 2.0x	44.3
Intel Pentium P54C, 90 MHz, 60 / 1.5x	43.0
Cyrix MediaGX, 180 MHz, 30 / 6.0x	42.0
AMD K5, 105 MHz, 60 / 1.75x	41.1
Intel Pentium P24T, 100 MHz, 40 / 2.5x	40.9
AMD K5, 100 MHz, 66 / 1.5x	40.1
IBM 6x86, 120 MHz, 60 / 2.0x	40.0
Cyrix MediaGX, 166 MHz, 33 / 5.0x	39.5
IBM 6x86, 110 MHz, 55 / 2.0x	36.6
Intel Pentium P5, 66 MHz, 66 / 1.0x	36.3
IBM 5x86c, 133 MHz, 66 / 2.0x	36.2
Intel Pentium P54C, 75 MHz, 50 / 1.5x	36.2
AMD K5, 90 MHz, 60 / 1.5x	35.9
Cyrix MediaGX, 150 MHz, 30 / 5.0x	35.0
Intel Pentium P24T, 83 MHz, 33 / 2.5x	34.5
IBM 6x86, 100 MHz, 50 / 2.0x	33.3
IBM 5x86c, 120 MHz, 60 / 2.0x	32.6
Intel Pentium P5, 60 MHz, 60 / 1.0x	31.9
Cyrix MediaGX, 133 MHz, 33 / 4.0x	31.7
IDT Winchip C6, 133 MHz, 66 / 2.0x	30.8
AMD K5, 75 MHz, 50 / 1.5x	30.4
Cyrix 6x86, 83 MHz, 83 / 1.0x	29.8
AMD X5, 160 MHz, 40 / 4.0x	29.8
IBM 5x86c, 100 MHz, 50 / 2.0x	28.4
Intel DX4, 133 MHz, 66 / 2.0x	27.0
Cyrix 6x86, 75 MHz, 75 / 1.0x	26.7
AMD X5, 133 MHz, 33 / 4.0x	25.0

OVERALL PERFORMANCE – RANKED IN DESCENDING ORDER

CPU	Overall
AMD Athlon, 600 MHz, 100 / 6.0x	378.0
AMD K6-3+, 600 MHz, 100 / 6.0x	333.2
Intel PIII - Cop, 600 MHz, 100 / 6.0x	332.1
AMD K6-2+, 600 MHz, 100 / 6.0x	330.0
AMD Athlon, 500 MHz, 100 / 5.0x	324.1
Intel PIII - Kat, 600 MHz, 100 / 6.0x	321.4
AMD K6-3+, 550 MHz, 100 / 5.5x	317.1
AMD K6-2+, 550 MHz, 100 / 5.5x	307.7
AMD K6-2, 600 MHz, 100 / 6.0x	306.7
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	297.6
Intel PIII, 550 MHz, 100 / 5.5x	297.4
AMD K6-3+, 500 MHz, 100 / 5.0x	291.6
AMD K6-3+, 500 MHz, 83 / 6.0x	287.7
AMD K6-2, 550 MHz, 100 / 5.5x	284.4
AMD K6-2+, 500 MHz, 100 / 5.0x	284.3
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	283.3
Intel PIII, 500 MHz, 100 / 5.0x	274.6
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	272.7
AMD K6-3+, 450 MHz, 100 / 4.5x	266.2
AMD K6-2, 500 MHz, 100 / 5.0x	263.6
AMD K6-2+, 450 MHz, 100 / 4.5x	259.7
AMD K6-2, 450 MHz, 100 / 4.5x	242.2
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	242.0
AMD K6-3+, 400 MHz, 100 / 4.0x	239.8
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	237.8
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	233.8
AMD K6-2+, 400 MHz, 100 / 4.0x	232.1
Intel Celeron, 450 MHz, 100 / 4.5x	228.9
AMD K6-2, 400 MHz, 100 / 4.0x	222.1
Intel PII, 400 MHz, 100 / 4.0x	217.7
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	217.5
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	216.0
AMD K6-3, 350 MHz, 100 / 3.5x	214.5
AMD K6-2+, 350 MHz, 100 / 3.5x	209.4
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	207.9
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	207.4
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	207.0
Intel Celeron, 400 MHz, 66 / 6.0x	206.9
AMD K6-3, 333 MHz, 83 / 4.0x	202.8
AMD K6-2, 350 MHz, 100 / 3.5x	199.0
Intel PII, 350 MHz, 100 / 3.5x	189.5
Cyrix MII, 400 MHz, 100 / 4.0x	189.1
AMD K6-2, 333 MHz, 83 / 4.0x	185.2

AMD K6-3, 300 MHz, 75 / 4.0x	181.8
Intel Pentium II OD, 333 MHz, 66 / 5.0x	179.2
AMD K6-2, 300 MHz, 100 / 3.0x	176.2
AMD K6-2+, 300 MHz, 75 / 4.0x	175.5
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	174.3
AMD K6, 333 MHz, 83 / 4.0x	168.9
Cyrix MII, 350 MHz, 100 / 3.5x	167.8
AMD K6-2, 300 MHz, 75 / 4.0x	167.8
Intel PII, 300 MHz, 100 / 3.0x	165.8
Intel Celeron, 300 MHz, 66 / 4.5x	162.0
Intel Pentium II OD, 300 MHz, 60 / 5.0x	161.4
Cyrix MII, 333 MHz, 83 / 4.0x	159.3
VIA C3 Samuel, 600 MHz, 100 / 6.0x	158.6
AMD K6, 300 MHz, 100 / 3.0x	158.3
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	157.1
AMD K6, 300 MHz, 75 / 4.0x, SS7	153.3
VIA C3 Ezra, 600 MHz, 100 / 6.0x	152.6
AMD K6-2, 266 MHz, 66 / 4.0x	151.5
AMD K6, 300 MHz, 75 / 4.0x	151.1
AMD K6, 292 MHz, 83 / 3.5x	150.1
AMD K6, 300 MHz, 66 / 4.5x	147.5
VIA C3 Samuel, 550 MHz, 100 / 5.5x	147.3
Cyrix MII, 300 MHz, 100 / 3.0x	146.6
Intel PII, 266 MHz, 66 / 4.0x	146.1
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	144.6
Cyrix MII, 300 MHz, 75 / 4.0x	143.4
Cyrix MII, 292 MHz, 83 / 3.5x	141.9
Cyrix MII, 285 MHz, 95 / 3.0x	139.8
AMD K6, 262 MHz, 75 / 3.5x	137.4
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	137.1
AMD K6, 266 MHz, 66 / 4.0x	136.9
AMD K6-2, 233 MHz, 66 / 3.5x	135.6
Cyrix MII, 266 MHz, 66 / 4.0x	128.8
Intel PII, 233 MHz, 66 / 3.5x	128.7
Intel Pentium P55C, 300 MHz, 100 / 3.0x	127.8
Cyrix MII, 262 MHz, 75 / 3.5x	127.5
Intel Pentium P55C, 300 MHz, 75 / 4.0x	125.5
Cyrix MII, 250 MHz, 100 / 2.5x	125.2
Intel Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	123.7
Cyrix MII, 250 MHz, 83 / 3.0x	123.3
Intel Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	121.4
Rise mP6, 233 MHz, 66 / 3.5x	121.2
AMD K6, 233 MHz, 66 / 3.5x	120.7
Cyrix MII, 233 MHz, 66 / 3.5x	116.4

Rise mP6, 200 MHz, 100 / 2.0x	113.7
Rise mP6, 208 MHz, 83 / 2.5x	113.3
Intel Pentium P55C, 262 MHz, 75 / 3.5x	112.4
Intel PII, 200 MHz, 66 / 3.0x	111.7
Intel Pentium P55C, 262 MHz, 75 / 3.5x	110.3
Intel Pentium P55C, 250 MHz, 100 / 2.5x	109.9
Intel Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	109.5
Intel Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	108.5
AMD K6, 200 MHz, 66 / 3.0x	106.4
Rise mP6, 200 MHz, 66 / 3.0x	106.4
IDT Winchip2, 262 MHz, 75 / 3.5x	106.0
IDT Winchip2, 250 MHz, 100 / 2.5x	105.0
IDT Winchip2, 250 MHz, 83 / 3.0x	104.1
IBM 6x86MX, 200 MHz, 66 / 3.0x	102.6
Intel Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	100.1
Intel Pentium P55C, 233 MHz, 66 / 3.5x	100.0
IDT Winchip2, 233 MHz, 100 / 2.33x	99.2
IDT Winchip2, 240 MHz, 60 / 4.0x	95.4
IDT Winchip2, 233 MHz, 66 / 3.5x	94.7
Intel Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	94.3
Rise mP6, 166 MHz, 83 / 2.0x	94.2
Intel PII, 166 MHz, 66 / 2.5x	93.7
IDT Winchip2, 225 MHz, 75 / 3.0x	93.1
Cyrix MediaGX, 333 MHz, 33 / 10.0x	92.9
Intel Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	92.6
AMD K6, 166 MHz, 66 / 2.5x	91.1
Rise mP6, 166 MHz, 66 / 2.5x	90.2
Intel Pentium P55C, 200 MHz, 66 / 3.0x	89.3
Intel Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	88.8
AMD K6-3+, 133 MHz, 66 / 2.0x	86.9
IBM 6x86MX, 166 MHz, 66 / 2.5x	86.6
AMD K6-2+, 133 MHz, 66 / 2.0x	85.6
Cyrix MediaGX, 300 MHz, 33 / 9.0x	84.0
AMD K6-2, 133 MHz, 66 / 2.0x	84.0
Intel Pentium P54C, 200 MHz, 66 / 3.0x	83.7
IDT Winchip2, 200 MHz, 66 / 3.0x	83.4
Intel Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	79.0
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	77.6
Intel Pentium P55C, 166 MHz, 66 / 2.5x	76.8
Cyrix 6x86L, 150 MHz, 75 / 2.0x	76.6
Intel PII, 133 MHz, 66 / 2.0x	76.1
Rise mP6, 133 MHz, 66 / 2.0x	76.0
AMD K6, 133 MHz, 66 / 2.0x	75.8
Intel Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	75.0
Cyrix MediaGX, 266 MHz, 33 / 3.0x	74.5
IDT Winchip2, 166 MHz, 66 / 2.5x	73.2

Intel Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	72.4
Intel Pentium P54C, 166 MHz, 66 / 2.5x	72.3
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	70.6
AMD K5, 133 Mhz, 66 / 2.0x	69.1
IBM 6x86, 133 MHz, 66 / 2.0x	68.2
AMD K5, 125 MHz, 83 / 1.5x	67.7
Cyrix MediaGX, 233 MHz, 33 / 7.0x	65.7
Intel Pentium P54C, 150 MHz, 60 / 2.5x	65.1
Intel Pentium P55C, 133 MHz, 66 / 2.0x	64.8
AMD K5, 120 MHz, 60 / 2.0x	62.0
AMD K5, 117 MHz, 66 / 1.5x	61.7
IBM 6x86, 120 MHz, 60 / 2.0x	61.5
Intel Pentium P54C, 133 MHz, 66 / 2.0x	61.0
IDT Winchip2, 133 MHz, 66 / 2.0x	59.6
IDT Winchip C6, 200 MHz, 66 / 3.0x	57.7
Cyrix MediaGX, 200 MHz, 33 / 6.0x	57.3
IDT Winchip2, 133 MHz, 50 / 2.66x	56.5
IBM 6x86, 110 MHz, 55 / 2.0x	56.3
AMD K5, 105 MHz, 60 / 1.75x	55.9
Intel Pentium P54C, 120 MHz, 60 / 2.0x	54.6
AMD K5, 100 MHz, 66 / 1.5x	53.4
IBM 6x86, 100 MHz, 50 / 2.0x	51.1
Cyrix MediaGX, 180 MHz, 30 / 6.0x	51.1
AMD K5, 90 MHz, 60 / 1.5x	48.1
Cyrix MediaGX, 166 MHz, 33 / 5.0x	48.1
Intel Pentium P54C, 100 MHz, 66 / 1.5x	47.9
Cyrix 6x86, 83 MHz, 83 / 1.0x	45.3
Intel Pentium P54C, 90 MHz, 60 / 1.5x	43.1
Cyrix MediaGX, 150 MHz, 30 / 5.0x	42.8
Intel Pentium P24T, 100 MHz, 40 / 2.5x	42.5
IBM 5x86c, 133 MHz, 66 / 2.0x	42.1
Cyrix 6x86, 75 MHz, 75 / 1.0x	41.0
AMD K5, 75 MHz, 50 / 1.5x	40.4
IDT Winchip C6, 133 MHz, 66 / 2.0x	39.8
Cyrix MediaGX, 133 MHz, 33 / 4.0x	38.7
IBM 5x86c, 120 MHz, 60 / 2.0x	37.8
AMD X5, 160 MHz, 40 / 4.0x	37.5
Intel Pentium P5, 66 MHz, 66 / 1.0x	36.3
Intel Pentium P54C, 75 MHz, 50 / 1.5x	36.1
Intel Pentium P24T, 83 MHz, 33 / 2.5x	35.7
Intel DX4, 133 MHz, 66 / 2.0x	34.3
IBM 5x86c, 100 MHz, 50 / 2.0x	33.0
Intel Pentium P5, 60 MHz, 60 / 1.0x	32.2
AMD X5, 133 MHz, 33 / 4.0x	31.6

QUAKE I – RANKED IN DESCENDING ORDER

CPU	Quake 1
Intel Pentium II OD, 333 MHz, 66 / 5.0x	27.3
Intel Pentium II OD, 300 MHz, 60 / 5.0x	24.6
Intel PIII - Cop, 600 MHz, 100 / 6.0x	22.2
Intel PIII - Kat, 600 MHz, 100 / 6.0x	22.1
AMD K6-3+, 600 MHz, 100 / 6.0x	22
Intel PIII, 550 MHz, 100 / 5.5x	21.8
AMD K6-3+, 500 MHz, 83 / 6.0x	21.6
Intel PIII, 500 MHz, 100 / 5.0x	21.5
AMD K6-2+, 600 MHz, 100 / 6.0x	21.3
AMD K6-3+, 550 MHz, 100 / 5.5x	21.3
AMD K6-2, 600 MHz, 100 / 6.0x	21.2
AMD K6-2+, 550 MHz, 100 / 5.5x	21.2
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	20.9
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	20.8
AMD K6-3+, 500 MHz, 100 / 5.0x	20.7
AMD K6-2+, 500 MHz, 100 / 5.0x	20.6
Intel Celeron, 450 MHz, 100 / 4.5x	20.6
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	20.5
AMD K6-2, 550 MHz, 100 / 5.5x	20.4
AMD K6-3+, 450 MHz, 100 / 4.5x	20.3
AMD K6-2+, 450 MHz, 100 / 4.5x	20.2
AMD K6-2, 500 MHz, 100 / 5.0x	20
Intel Pentium P55C, 300 MHz, 75 / 4.0x	20
Intel PII, 400 MHz, 100 / 4.0x	20
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	19.9
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	19.9
AMD K6-2, 450 MHz, 100 / 4.5x	19.6
AMD K6-3+, 400 MHz, 100 / 4.0x	19.4
AMD K6-2+, 400 MHz, 100 / 4.0x	19.3
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	19.3
Cyrix MII, 400 MHz, 100 / 4.0x	19.1
AMD K6-2, 400 MHz, 100 / 4.0x	19.1
Intel PII, 350 MHz, 100 / 3.5x	19
AMD K6-3, 333 MHz, 83 / 4.0x	18.9
AMD K6, 333 MHz, 83 / 4.0x	18.7
AMD K6-3, 350 MHz, 100 / 3.5x	18.7
Intel Pentium P55C, 262 MHz, 75 / 3.5x	18.7
AMD K6-2+, 350 MHz, 100 / 3.5x	18.5
Intel Pentium P55C, 300 MHz, 100 / 3.0x	18.5
AMD K6-2, 333 MHz, 83 / 4.0x	18.4
Cyrix MII, 333 MHz, 83 / 4.0x	18.3
AMD K6-2, 350 MHz, 100 / 3.5x	18.3
Intel PII, 300 MHz, 100 / 3.0x	18.2

AMD Athlon, 600 MHz, 100 / 6.0x	17.9
Cyrix MII, 350 MHz, 100 / 3.5x	17.8
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	17.8
Intel Celeron, 400 MHz, 66 / 6.0x	17.8
Intel Pentium P55C, 250 MHz, 100 / 2.5x	17.7
AMD Athlon, 500 MHz, 100 / 5.0x	17.6
AMD K6-2, 300 MHz, 100 / 3.0x	17.5
Intel Pentium P55C, 262 MHz, 75 / 3.5x, SS7	17.3
AMD K6, 300 MHz, 100 / 3.0x	17.2
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	17.2
AMD K6, 292 MHz, 83 / 3.5x	17.1
AMD K6, 300 MHz, 75 / 4.0x, SS7	17
IDT Winchip2, 250 MHz, 83 / 3.0x	17
Cyrix MII, 300 MHz, 100 / 3.0x	16.8
AMD K6, 300 MHz, 75 / 4.0x	16.8
AMD K6-2, 300 MHz, 75 / 4.0x	16.8
Cyrix MII, 292 MHz, 83 / 3.5x	16.7
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	16.7
Intel Pentium P55C, 233 MHz, 66 / 3.5x	16.7
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	16.6
IDT Winchip2, 262 MHz, 75 / 3.5x	16.6
Cyrix MII, 300 MHz, 75 / 4.0x	16.5
AMD K6-3, 300 MHz, 75 / 4.0x	16.5
Intel Celeron, 300 MHz, 66 / 4.5x	16.2
Intel Pentium P55C, 200 MHz, 66 / 3.0x	16.1
IDT Winchip2, 250 MHz, 100 / 2.5x	16.1
Cyrix MII, 285 MHz, 95 / 3.0x	16
AMD K6-2+, 300 MHz, 75 / 4.0x	16
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	15.7
AMD K6, 300 MHz, 66 / 4.5x	15.5
Intel PII, 266 MHz, 66 / 4.0x	15.5
IDT Winchip2, 233 MHz, 100 / 2.33x	15.5
Cyrix MII, 250 MHz, 100 / 2.5x	15.4
AMD K6, 262 MHz, 75 / 3.5x	15.4
Cyrix MII, 250 MHz, 83 / 3.0x	15.3
IDT Winchip2, 225 MHz, 75 / 3.0x	15.3
Intel Pentium P54C, 200 MHz, 66 / 3.0x	15.2
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	15.2
Cyrix MII, 262 MHz, 75 / 3.5x	15
AMD K6-2, 266 MHz, 66 / 4.0x	15
Intel Pentium P55C, 166 MHz, 66 / 2.5x	15
Cyrix MII, 266 MHz, 66 / 4.0x	14.9
AMD K6, 266 MHz, 66 / 4.0x	14.9
Rise mP6, 200 MHz, 100 / 2.0x	14.9

IDT Winchip2, 233 MHz, 66 / 3.5x	14.8
Rise mP6, 233 MHz, 66 / 3.5x	14.6
Rise mP6, 208 MHz, 83 / 2.5x	14.4
AMD K6-2, 233 MHz, 66 / 3.5x	14.2
Intel Pentium P54C, 166 MHz, 66 / 2.5x	14.2
IDT Winchip2, 240 MHz, 60 / 4.0x	14.2
Intel PII, 233 MHz, 66 / 3.5x	13.8
AMD K6, 233 MHz, 66 / 3.5x	13.7
IDT Winchip2, 200 MHz, 66 / 3.0x	13.7
Intel Pentium P55C, 133 MHz, 66 / 2.0x	13.6
Rise mP6, 200 MHz, 66 / 3.0x	13.4
Cyrix MII, 233 MHz, 66 / 3.5x	13.3
Rise mP6, 166 MHz, 83 / 2.0x	13.2
Cyrix MediaGX, 333 MHz, 33 / 10.0x	13.1
Intel Pentium P54C, 133 MHz, 66 / 2.0x	13
IBM 6x86MX, 200 MHz, 66 / 3.0x	12.9
Intel PII, 200 MHz, 66 / 3.0x	12.9
Intel Pentium P54C, 150 MHz, 60 / 2.5x	12.8
Intel Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	12.8
AMD K6, 200 MHz, 66 / 3.0x	12.7
Intel Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	12.2
IDT Winchip2, 166 MHz, 66 / 2.5x	12.1
Cyrix MediaGX, 300 MHz, 33 / 9.0x	12
Intel Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	11.9
Intel Pentium P54C, 120 MHz, 60 / 2.0x	11.7
Rise mP6, 166 MHz, 66 / 2.5x	11.6
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	11.6
AMD K5, 125 MHz, 83 / 1.5x	11.5
Intel Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	11.5
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	11.5
VIA C3 Ezra, 600 MHz, 100 / 6.0x	11.5
AMD K6, 166 MHz, 66 / 2.5x	11.4
AMD K5, 133 MHz, 66 / 2.0x	11.2
Intel Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	11.2
Intel PII, 166 MHz, 66 / 2.5x	11.2
IDT Winchip C6, 200 MHz, 66 / 3.0x	11.2
VIA C3 Samuel, 600 MHz, 100 / 6.0x	11.1
Intel Pentium P54C, 100 MHz, 66 / 1.5x	11
VIA C3 Samuel, 550 MHz, 100 / 5.5x	11
IBM 6x86MX, 166 MHz, 66 / 2.5x	10.8
Intel Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	10.8
IDT Winchip2, 133 MHz, 66 / 2.0x	10.8
Cyrix MediaGX, 266 MHz, 33 / 3.0x	10.7
Intel Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	10.7
Rise mP6, 133 MHz, 66 / 2.0x	10.6
Cyrix 6x86L, 150 MHz, 75 / 2.0x	10.3

Intel Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	10.3
AMD K5, 117 MHz, 66 / 1.5x	10.2
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	10.2
AMD K5, 120 MHz, 60 / 2.0x	10.1
AMD K6-2, 133 MHz, 66 / 2.0x	10.1
AMD K6, 133 MHz, 66 / 2.0x	10
Cyrix MediaGX, 233 MHz, 33 / 7.0x	9.9
Intel Pentium P5, 66 MHz, 66 / 1.0x	9.9
Intel Pentium P54C, 90 MHz, 60 / 1.5x	9.9
Intel PII, 133 MHz, 66 / 2.0x	9.9
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	9.8
Intel Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	9.7
AMD K5, 100 MHz, 66 / 1.5x	9.5
AMD K6-2+, 133 MHz, 66 / 2.0x	9.5
AMD K6-3+, 133 MHz, 66 / 2.0x	9.5
IDT Winchip2, 133 MHz, 50 / 2.66x	9.5
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	9.3
AMD K5, 105 MHz, 60 / 1.75x	9.2
IBM 6x86, 133 MHz, 66 / 2.0x	9.1
Intel Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	9.1
Cyrix MediaGX, 200 MHz, 33 / 6.0x	9
Intel Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	8.9
AMD K5, 90 MHz, 60 / 1.5x	8.6
Intel Pentium P5, 60 MHz, 60 / 1.0x	8.6
Intel Pentium P54C, 75 MHz, 50 / 1.5x	8.3
IBM 6x86, 120 MHz, 60 / 2.0x	8.2
Cyrix MediaGX, 180 MHz, 30 / 6.0x	8
IDT Winchip C6, 133 MHz, 66 / 2.0x	7.9
Cyrix MediaGX, 166 MHz, 33 / 5.0x	7.7
IBM 6x86, 110 MHz, 55 / 2.0x	7.6
AMD K5, 75 MHz, 50 / 1.5x	7.2
Cyrix MediaGX, 150 MHz, 30 / 5.0x	6.9
IBM 6x86, 100 MHz, 50 / 2.0x	6.9
Cyrix MediaGX, 133 MHz, 33 / 4.0x	6.5
Intel Pentium P24T, 100 MHz, 40 / 2.5x	6.5
Cyrix 6x86, 83 MHz, 83 / 1.0x	6.2
IBM 5x86c, 133 MHz, 66 / 2.0x	5.9
Cyrix 6x86, 75 MHz, 75 / 1.0x	5.5
AMD X5, 160 MHz, 40 / 4.0x	5.5
Intel Pentium P24T, 83 MHz, 33 / 2.5x	5.4
IBM 5x86c, 120 MHz, 60 / 2.0x	5.3
Intel DX4, 133 MHz, 66 / 2.0x	5
IBM 5x86c, 100 MHz, 50 / 2.0x	4.8
AMD X5, 133 MHz, 33 / 4.0x	4.7

QUAKE II – RANKED IN DESCENDING ORDER

CPU	Quake 2
AMD Athlon, 600 MHz, 100 / 6.0x	39.9
AMD Athlon, 500 MHz, 100 / 5.0x	35.1
Intel PIII - Cop, 600 MHz, 100 / 6.0x	32.4
Intel PIII - Kat, 600 MHz, 100 / 6.0x	31
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	29.4
Intel PIII, 550 MHz, 100 / 5.5x	29
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	27.6
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	27.5
Intel PIII, 500 MHz, 100 / 5.0x	27.3
Intel Celeron, 450 MHz, 100 / 4.5x	25.7
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	25.6
AMD K6-3+, 600 MHz, 100 / 6.0x	25.4
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	24.8
AMD K6-2+, 600 MHz, 100 / 6.0x	24.2
AMD K6-3+, 550 MHz, 100 / 5.5x	23.7
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	23.5
Intel PII, 400 MHz, 100 / 4.0x	23.4
AMD K6-2+, 550 MHz, 100 / 5.5x	23.3
Intel Celeron, 400 MHz, 66 / 6.0x	22.6
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	22.2
AMD K6-3+, 500 MHz, 100 / 5.0x	22.1
AMD K6-2, 600 MHz, 100 / 6.0x	21.9
AMD K6-2+, 500 MHz, 100 / 5.0x	21.6
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	21.3
Intel PII, 350 MHz, 100 / 3.5x	20.9
AMD K6-2, 550 MHz, 100 / 5.5x	20.5
AMD K6-3+, 500 MHz, 83 / 6.0x	20.5
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	20.5
AMD K6-3+, 450 MHz, 100 / 4.5x	20.4
AMD K6-2+, 450 MHz, 100 / 4.5x	20.2
AMD K6-2, 500 MHz, 100 / 5.0x	19.3
AMD K6-3+, 400 MHz, 100 / 4.0x	18.8
AMD K6-2+, 400 MHz, 100 / 4.0x	18.6
Intel PII, 300 MHz, 100 / 3.0x	18.5
AMD K6-2, 450 MHz, 100 / 4.5x	18.2
Intel Celeron, 300 MHz, 66 / 4.5x	18.2
VIA C3 Ezra, 600 MHz, 100 / 6.0x	17.6
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	17.4
AMD K6-2, 400 MHz, 100 / 4.0x	17
AMD K6-3, 350 MHz, 100 / 3.5x	17
AMD K6-2+, 350 MHz, 100 / 3.5x	16.8
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	16.7
Cyrix MII, 400 MHz, 100 / 4.0x	16.5

Intel PII, 266 MHz, 66 / 4.0x	16.4
AMD K6-2, 350 MHz, 100 / 3.5x	15.6
Intel Pentium P55C, 300 MHz, 100 / 3.0x	15.3
Intel Pentium II OD, 333 MHz, 66 / 5.0x	15.3
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	15.3
AMD K6-3, 333 MHz, 83 / 4.0x	15.2
VIA C3 Samuel, 600 MHz, 100 / 6.0x	14.9
Cyrix MII, 350 MHz, 100 / 3.5x	14.8
Intel Pentium P55C, 300 MHz, 75 / 4.0x	14.7
Intel PII, 233 MHz, 66 / 3.5x	14.5
Cyrix MII, 333 MHz, 83 / 4.0x	14.4
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	14.4
Intel Pentium P55C, 250 MHz, 100 / 2.5x	14.2
AMD K6-2, 300 MHz, 100 / 3.0x	14.1
VIA C3 Samuel, 550 MHz, 100 / 5.5x	14.1
AMD K6, 333 MHz, 83 / 4.0x	13.9
AMD K6-2, 333 MHz, 83 / 4.0x	13.9
AMD K6-3, 300 MHz, 75 / 4.0x	13.9
AMD K6, 300 MHz, 100 / 3.0x	13.8
Intel Pentium P55C, 262 MHz, 75 / 3.5x	13.7
Intel Pentium II OD, 300 MHz, 60 / 5.0x	13.7
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	13.5
AMD K6-2+, 300 MHz, 75 / 4.0x	13.2
Cyrix MII, 300 MHz, 100 / 3.0x	13.1
Intel Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	12.8
AMD K6, 300 MHz, 75 / 4.0x, SS7	12.7
Intel PII, 200 MHz, 66 / 3.0x	12.6
Cyrix MII, 292 MHz, 83 / 3.5x	12.5
Cyrix MII, 285 MHz, 95 / 3.0x	12.5
AMD K6, 292 MHz, 83 / 3.5x	12.4
AMD K6, 300 MHz, 75 / 4.0x	12.4
AMD K6-2, 300 MHz, 75 / 4.0x	12.4
Cyrix MII, 300 MHz, 75 / 4.0x	12.3
Intel Pentium P55C, 262 MHz, 75 / 3.5x, SS7	12.3
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	12
Intel Pentium P55C, 233 MHz, 66 / 3.5x	11.9
IDT Winchip2, 250 MHz, 100 / 2.5x	11.9
AMD K6, 300 MHz, 66 / 4.5x	11.8
Intel Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	11.7
IDT Winchip2, 250 MHz, 83 / 3.0x	11.6
IDT Winchip2, 262 MHz, 75 / 3.5x	11.5
Cyrix MII, 250 MHz, 100 / 2.5x	11.4
AMD K6, 262 MHz, 75 / 3.5x	11.4
Intel Pentium P55C, 200 MHz, 66 / 3.0x	11.4

Intel Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	11.4
AMD K6-2, 266 MHz, 66 / 4.0x	11.3
Cyrix MII, 262 MHz, 75 / 3.5x	11.2
Cyrix MII, 266 MHz, 66 / 4.0x	11.2
IDT Winchip2, 233 MHz, 100 / 2.33x	11.2
Cyrix MII, 250 MHz, 83 / 3.0x	11.1
AMD K6, 266 MHz, 66 / 4.0x	11
Rise mP6, 200 MHz, 100 / 2.0x	10.7
Intel PII, 166 MHz, 66 / 2.5x	10.6
Intel Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	10.5
Intel Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	10.4
IDT Winchip2, 225 MHz, 75 / 3.0x	10.4
IDT Winchip2, 233 MHz, 66 / 3.5x	10.3
AMD K6-2, 233 MHz, 66 / 3.5x	10.2
Intel Pentium P54C, 200 MHz, 66 / 3.0x	10.2
Intel Pentium P55C, 166 MHz, 66 / 2.5x	10.1
IDT Winchip2, 240 MHz, 60 / 4.0x	10
Cyrix MII, 233 MHz, 66 / 3.5x	9.9
AMD K6, 233 MHz, 66 / 3.5x	9.9
Intel Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	9.8
Rise mP6, 208 MHz, 83 / 2.5x	9.7
Rise mP6, 233 MHz, 66 / 3.5x	9.7
Intel Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	9.4
Cyrix MediaGX, 333 MHz, 33 / 10.0x	9.2
IBM 6x86MX, 200 MHz, 66 / 3.0x	9.2
Intel Pentium P54C, 166 MHz, 66 / 2.5x	9.2
Intel Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	9.2
IDT Winchip2, 200 MHz, 66 / 3.0x	9.2
Intel Pentium P55C, 133 MHz, 66 / 2.0x	9
AMD K6, 200 MHz, 66 / 3.0x	8.8
Rise mP6, 166 MHz, 83 / 2.0x	8.8
Rise mP6, 200 MHz, 66 / 3.0x	8.8
Intel PII, 133 MHz, 66 / 2.0x	8.6
Cyrix MediaGX, 300 MHz, 33 / 9.0x	8.3
Intel Pentium P54C, 133 MHz, 66 / 2.0x	8.2
Intel Pentium P54C, 150 MHz, 60 / 2.5x	8.2
Intel Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	8.2
Intel Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	8.1
IBM 6x86MX, 166 MHz, 66 / 2.5x	8
IDT Winchip2, 166 MHz, 66 / 2.5x	7.8
AMD K6, 166 MHz, 66 / 2.5x	7.7
Rise mP6, 166 MHz, 66 / 2.5x	7.7
Intel Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	7.6
Intel Pentium P54C, 120 MHz, 60 / 2.0x	7.4
Cyrix MediaGX, 266 MHz, 33 / 3.0x	7.3
AMD K5, 125 MHz, 83 / 1.5x	7.3

IDT Winchip C6, 200 MHz, 66 / 3.0x	7.3
AMD K5, 133 Mhz, 66 / 2.0x	7.2
Rise mP6, 133 MHz, 66 / 2.0x	6.9
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	6.8
AMD K6-2+, 133 MHz, 66 / 2.0x	6.8
AMD K6-3+, 133 MHz, 66 / 2.0x	6.8
Cyrix 6x86L, 150 MHz, 75 / 2.0x	6.7
AMD K6-2, 133 MHz, 66 / 2.0x	6.6
Intel Pentium P54C, 100 MHz, 66 / 1.5x	6.6
IDT Winchip2, 133 MHz, 66 / 2.0x	6.6
AMD K5, 117 MHz, 66 / 1.5x	6.5
AMD K5, 120 MHz, 60 / 2.0x	6.5
AMD K6, 133 MHz, 66 / 2.0x	6.5
Cyrix MediaGX, 233 MHz, 33 / 7.0x	6.4
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	6.3
IDT Winchip2, 133 MHz, 50 / 2.66x	6.2
AMD K5, 100 MHz, 66 / 1.5x	6
Intel Pentium P54C, 90 MHz, 60 / 1.5x	6
IBM 6x86, 133 MHz, 66 / 2.0x	5.9
AMD K5, 105 MHz, 60 / 1.75x	5.8
Cyrix MediaGX, 200 MHz, 33 / 6.0x	5.6
Intel Pentium P5, 66 MHz, 66 / 1.0x	5.6
Intel Pentium P24T, 100 MHz, 40 / 2.5x	5.5
AMD K5, 90 MHz, 60 / 1.5x	5.4
IBM 6x86, 120 MHz, 60 / 2.0x	5.3
IDT Winchip C6, 133 MHz, 66 / 2.0x	5.1
Cyrix MediaGX, 180 MHz, 30 / 6.0x	5
Intel Pentium P5, 60 MHz, 60 / 1.0x	5
Intel Pentium P54C, 75 MHz, 50 / 1.5x	4.9
IBM 6x86, 110 MHz, 55 / 2.0x	4.8
Cyrix MediaGX, 166 MHz, 33 / 5.0x	4.6
Intel Pentium P24T, 83 MHz, 33 / 2.5x	4.6
IBM 6x86, 100 MHz, 50 / 2.0x	4.4
AMD K5, 75 MHz, 50 / 1.5x	4.4
IBM 5x86c, 133 MHz, 66 / 2.0x	4.1
Cyrix MediaGX, 150 MHz, 30 / 5.0x	4.1
Cyrix 6x86, 83 MHz, 83 / 1.0x	4.1
AMD X5, 160 MHz, 40 / 4.0x	3.9
IBM 5x86c, 120 MHz, 60 / 2.0x	3.8
Cyrix MediaGX, 133 MHz, 33 / 4.0x	3.7
Intel DX4, 133 MHz, 66 / 2.0x	3.7
Cyrix 6x86, 75 MHz, 75 / 1.0x	3.6
IBM 5x86c, 100 MHz, 50 / 2.0x	3.3
AMD X5, 133 MHz, 33 / 4.0x	3.2

QUAKE II - OPENGL – RANKED IN DESCENDING ORDER

CPU	Quake 2 GL
Intel PIII - Cop, 600 MHz, 100 / 6.0x	38.2
AMD Athlon, 600 MHz, 100 / 6.0x	38
Intel PIII - Kat, 600 MHz, 100 / 6.0x	37.9
Intel PIII, 550 MHz, 100 / 5.5x	37.3
AMD Athlon, 500 MHz, 100 / 5.0x	37.1
Intel PIII, 500 MHz, 100 / 5.0x	36.9
Intel Celeron, 450 MHz, 100 / 4.5x	35.9
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	35.8
Intel PII, 400 MHz, 100 / 4.0x	35.6
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	35.4
AMD K6-3+, 600 MHz, 100 / 6.0x	35
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	34.5
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	34.4
Intel PII, 350 MHz, 100 / 3.5x	34.1
Intel Celeron, 400 MHz, 66 / 6.0x	34
AMD K6-2+, 600 MHz, 100 / 6.0x	33.9
AMD K6-3+, 550 MHz, 100 / 5.5x	33.9
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	33.9
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	33.9
AMD K6-2+, 550 MHz, 100 / 5.5x	33.4
AMD K6-2, 600 MHz, 100 / 6.0x	33.3
AMD K6-3+, 500 MHz, 100 / 5.0x	33.3
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	33
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	32.9
AMD K6-2+, 500 MHz, 100 / 5.0x	32.8
Intel PII, 300 MHz, 100 / 3.0x	32.8
AMD K6-3+, 450 MHz, 100 / 4.5x	32.6
AMD K6-3+, 500 MHz, 83 / 6.0x	32.5
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	32.2
VIA C3 Ezra, 600 MHz, 100 / 6.0x	32.2
AMD K6-2+, 450 MHz, 100 / 4.5x	32
Intel Celeron, 300 MHz, 66 / 4.5x	31.9
AMD K6-2, 550 MHz, 100 / 5.5x	31.8
AMD K6-3+, 400 MHz, 100 / 4.0x	31.5
AMD K6-2, 500 MHz, 100 / 5.0x	31.3
AMD K6-2+, 400 MHz, 100 / 4.0x	31
Intel PII, 266 MHz, 66 / 4.0x	30.6
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	30.5
AMD K6-3, 350 MHz, 100 / 3.5x	30.4
AMD K6-2, 450 MHz, 100 / 4.5x	29.9
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	29.9
AMD K6-2, 400 MHz, 100 / 4.0x	29.7
AMD K6-2+, 350 MHz, 100 / 3.5x	29.6

Intel PII, 233 MHz, 66 / 3.5x	29
AMD K6-3, 333 MHz, 83 / 4.0x	28.7
Cyrix MII, 400 MHz, 100 / 4.0x	28.5
Intel Pentium II OD, 333 MHz, 66 / 5.0x	28.5
Intel Pentium II OD, 300 MHz, 60 / 5.0x	28.3
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	28.2
Intel Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	28
AMD K6-2, 350 MHz, 100 / 3.5x	27.9
Intel Pentium P55C, 300 MHz, 75 / 4.0x	27.4
Intel Pentium P55C, 300 MHz, 100 / 3.0x	27.3
VIA C3 Samuel, 600 MHz, 100 / 6.0x	27.3
AMD K6-3, 300 MHz, 75 / 4.0x	27
Intel Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	26.9
Intel PII, 200 MHz, 66 / 3.0x	26.8
AMD K6-2, 300 MHz, 100 / 3.0x	26.3
AMD K6, 333 MHz, 83 / 4.0x	26.2
AMD K6, 300 MHz, 100 / 3.0x	26.2
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	26.2
Cyrix MII, 350 MHz, 100 / 3.5x	26.1
Intel Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	25.9
VIA C3 Samuel, 550 MHz, 100 / 5.5x	25.8
AMD K6-2, 333 MHz, 83 / 4.0x	25.5
AMD K6-2+, 300 MHz, 75 / 4.0x	25.4
Intel Pentium P55C, 250 MHz, 100 / 2.5x	25.4
Intel Pentium P55C, 262 MHz, 75 / 3.5x	25.1
Cyrix MII, 333 MHz, 83 / 4.0x	25
AMD K6, 300 MHz, 75 / 4.0x, SS7	24.7
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	24.6
AMD K6-2, 300 MHz, 75 / 4.0x	24.3
Intel Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	24.3
Intel Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	24.2
Intel Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	24.1
Cyrix MII, 300 MHz, 100 / 3.0x	24
Intel PII, 166 MHz, 66 / 2.5x	23.9
Intel Pentium P55C, 262 MHz, 75 / 3.5x, SS7	23.8
IDT Winchip2, 250 MHz, 100 / 2.5x	23.8
AMD K6, 292 MHz, 83 / 3.5x	23.7
AMD K6, 300 MHz, 75 / 4.0x	23.7
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	23
IDT Winchip2, 250 MHz, 83 / 3.0x	22.9
Cyrix MII, 285 MHz, 95 / 3.0x	22.8
AMD K6, 262 MHz, 75 / 3.5x	22.8
IDT Winchip2, 262 MHz, 75 / 3.5x	22.8
AMD K6, 300 MHz, 66 / 4.5x	22.7

Intel Pentium P55C, 233 MHz, 66 / 3.5x	22.7
IDT Winchip2, 233 MHz, 100 / 2.33x	22.7
Cyrix MII, 292 MHz, 83 / 3.5x	22.6
AMD K6-2, 266 MHz, 66 / 4.0x	22.6
Intel Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	22.5
Intel Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	22.2
AMD K6, 266 MHz, 66 / 4.0x	22.1
Cyrix MII, 300 MHz, 75 / 4.0x	21.7
Intel Pentium P55C, 200 MHz, 66 / 3.0x	21.5
Cyrix MII, 250 MHz, 100 / 2.5x	21.4
Intel Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	21.1
IDT Winchip2, 225 MHz, 75 / 3.0x	20.9
IDT Winchip2, 233 MHz, 66 / 3.5x	20.7
AMD K6-2, 233 MHz, 66 / 3.5x	20.6
Cyrix MII, 266 MHz, 66 / 4.0x	20.5
Cyrix MII, 250 MHz, 83 / 3.0x	20.4
Intel PII, 133 MHz, 66 / 2.0x	20.3
IDT Winchip2, 240 MHz, 60 / 4.0x	20.3
Intel Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	20.2
AMD K6, 233 MHz, 66 / 3.5x	20.1
Cyrix MII, 262 MHz, 75 / 3.5x	19.8
Rise mP6, 200 MHz, 100 / 2.0x	19.7
Intel Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	19.2
IDT Winchip2, 200 MHz, 66 / 3.0x	18.9
Intel Pentium P55C, 166 MHz, 66 / 2.5x	17.9
Rise mP6, 233 MHz, 66 / 3.5x	17.9
Cyrix MII, 233 MHz, 66 / 3.5x	17.7
AMD K6, 200 MHz, 66 / 3.0x	17.7
Rise mP6, 208 MHz, 83 / 2.5x	17.7
IBM 6x86MX, 200 MHz, 66 / 3.0x	17.3
Intel Pentium P55C, 133 MHz, 66 / 2.0x	17
IDT Winchip2, 166 MHz, 66 / 2.5x	16.7
Intel Pentium P54C, 200 MHz, 66 / 3.0x	16.5
Rise mP6, 166 MHz, 83 / 2.0x	16.5
Rise mP6, 200 MHz, 66 / 3.0x	16.3
AMD K6, 166 MHz, 66 / 2.5x	15.7
AMD K5, 125 MHz, 83 / 1.5x	15.5
Intel Pentium P54C, 166 MHz, 66 / 2.5x	15.4
AMD K6-2+, 133 MHz, 66 / 2.0x	15.3
AMD K6-3+, 133 MHz, 66 / 2.0x	15.3
AMD K5, 133 MHz, 66 / 2.0x	15.1
Rise mP6, 166 MHz, 66 / 2.5x	14.9
IDT Winchip2, 133 MHz, 66 / 2.0x	14.8
IBM 6x86MX, 166 MHz, 66 / 2.5x	14.7
AMD K6-2, 133 MHz, 66 / 2.0x	14.3
Intel Pentium P54C, 133 MHz, 66 / 2.0x	14

AMD K5, 117 MHz, 66 / 1.5x	13.8
AMD K5, 120 MHz, 60 / 2.0x	13.7
Intel Pentium P54C, 150 MHz, 60 / 2.5x	13.5
Cyrix MediaGX, 333 MHz, 33 / 10.0x	13.4
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	13.3
AMD K6, 133 MHz, 66 / 2.0x	13.3
IDT Winchip2, 133 MHz, 50 / 2.66x	13.2
Rise mP6, 133 MHz, 66 / 2.0x	13.2
IDT Winchip C6, 200 MHz, 66 / 3.0x	12.9
AMD K5, 100 MHz, 66 / 1.5x	12.6
AMD K5, 105 MHz, 60 / 1.75x	12.5
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	12.3
Cyrix MediaGX, 300 MHz, 33 / 9.0x	12.2
Intel Pentium P54C, 120 MHz, 60 / 2.0x	12.1
Intel Pentium P54C, 100 MHz, 66 / 1.5x	11.6
AMD K5, 90 MHz, 60 / 1.5x	11.3
Cyrix MediaGX, 266 MHz, 33 / 3.0x	10.7
Intel Pentium P5, 66 MHz, 66 / 1.0x	10.3
Cyrix 6x86L, 150 MHz, 75 / 2.0x	10.2
Intel Pentium P54C, 90 MHz, 60 / 1.5x	10.1
Cyrix MediaGX, 233 MHz, 33 / 7.0x	9.9
AMD K5, 75 MHz, 50 / 1.5x	9.3
IDT Winchip C6, 133 MHz, 66 / 2.0x	9.3
IBM 6x86, 133 MHz, 66 / 2.0x	9.2
Intel Pentium P24T, 100 MHz, 40 / 2.5x	9
Intel Pentium P5, 60 MHz, 60 / 1.0x	8.5
Intel Pentium P54C, 75 MHz, 50 / 1.5x	8.5
Cyrix MediaGX, 200 MHz, 33 / 6.0x	8.4
IBM 6x86, 120 MHz, 60 / 2.0x	8.4
Intel Pentium P24T, 83 MHz, 33 / 2.5x	7.9
IBM 6x86, 110 MHz, 55 / 2.0x	7.8
Cyrix MediaGX, 180 MHz, 30 / 6.0x	7.7
IBM 5x86c, 133 MHz, 66 / 2.0x	7.6
Cyrix MediaGX, 166 MHz, 33 / 5.0x	7.4
IBM 6x86, 100 MHz, 50 / 2.0x	7.1
IBM 5x86c, 120 MHz, 60 / 2.0x	6.8
AMD X5, 160 MHz, 40 / 4.0x	6.7
Cyrix MediaGX, 150 MHz, 30 / 5.0x	6.3
Intel DX4, 133 MHz, 66 / 2.0x	6.3
IBM 5x86c, 100 MHz, 50 / 2.0x	6.1
Cyrix MediaGX, 133 MHz, 33 / 4.0x	5.9
Cyrix 6x86, 83 MHz, 83 / 1.0x	5.8
AMD X5, 133 MHz, 33 / 4.0x	5.8
Cyrix 6x86, 75 MHz, 75 / 1.0x	5.3

DOOM – RANKED IN DESCENDING ORDER

CPU	Doom
AMD K6-3+, 500 MHz, 83 / 6.0x	135
AMD K6-3, 333 MHz, 83 / 4.0x	125
Cyrix MII, 333 MHz, 83 / 4.0x	123
AMD K6-3+, 600 MHz, 100 / 6.0x	123
AMD K6-3+, 550 MHz, 100 / 5.5x	122
Cyrix MII, 266 MHz, 66 / 4.0x	121
AMD K6-2+, 600 MHz, 100 / 6.0x	121
AMD K6-3+, 500 MHz, 100 / 5.0x	121
AMD K6-2+, 550 MHz, 100 / 5.5x	120
Cyrix MII, 400 MHz, 100 / 4.0x	119
AMD K6-2+, 500 MHz, 100 / 5.0x	119
AMD K6-3+, 450 MHz, 100 / 4.5x	119
Cyrix MII, 292 MHz, 83 / 3.5x	118
AMD K6-2+, 450 MHz, 100 / 4.5x	118
AMD K6-3+, 400 MHz, 100 / 4.0x	117
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	115
AMD K6, 333 MHz, 83 / 4.0x	115
AMD K6-2+, 400 MHz, 100 / 4.0x	115
Cyrix MII, 350 MHz, 100 / 3.5x	114
AMD K6-3, 350 MHz, 100 / 3.5x	114
AMD K6-2, 333 MHz, 83 / 4.0x	113
AMD K6-2, 600 MHz, 100 / 6.0x	113
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	113
Intel PIII - Cop, 600 MHz, 100 / 6.0x	113
Cyrix MII, 250 MHz, 83 / 3.0x	112
Cyrix MII, 300 MHz, 75 / 4.0x	112
AMD K6-2+, 350 MHz, 100 / 3.5x	112
AMD K6-3, 300 MHz, 75 / 4.0x	112
Intel PIII - Kat, 600 MHz, 100 / 6.0x	112
AMD K6-2, 550 MHz, 100 / 5.5x	111
Intel PIII, 550 MHz, 100 / 5.5x	111
Cyrix MII, 300 MHz, 100 / 3.0x	110
AMD K6, 292 MHz, 83 / 3.5x	110
AMD K6-2, 500 MHz, 100 / 5.0x	110
Intel PIII, 500 MHz, 100 / 5.0x	110
AMD K6-2, 450 MHz, 100 / 4.5x	109
AMD K6-2+, 300 MHz, 75 / 4.0x	109
Intel Pentium P55C, 300 MHz, 75 / 4.0x	109
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	109
Cyrix MII, 262 MHz, 75 / 3.5x	108
AMD K6-2, 400 MHz, 100 / 4.0x	108
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	108
Rise mP6, 208 MHz, 83 / 2.5x	108

AMD K6, 300 MHz, 75 / 4.0x, SS7	106
AMD K6-2, 350 MHz, 100 / 3.5x	106
Intel PII, 400 MHz, 100 / 4.0x	106
Intel Celeron, 450 MHz, 100 / 4.5x	106
Cyrix MII, 285 MHz, 95 / 3.0x	105
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	105
Intel Pentium P55C, 300 MHz, 100 / 3.0x	105
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	105
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	105
Cyrix MII, 250 MHz, 100 / 2.5x	104
AMD K6, 300 MHz, 75 / 4.0x	104
AMD K6, 300 MHz, 100 / 3.0x	104
AMD K6-2, 300 MHz, 100 / 3.0x	104
AMD K6-2, 300 MHz, 75 / 4.0x	103
Intel Pentium P55C, 262 MHz, 75 / 3.5x	103
Intel Pentium P55C, 262 MHz, 75 / 3.5x, SS7	103
Intel PII, 350 MHz, 100 / 3.5x	103
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	103
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	103
Intel PII, 300 MHz, 100 / 3.0x	101
Rise mP6, 200 MHz, 100 / 2.0x	101
Rise mP6, 166 MHz, 83 / 2.0x	100
AMD K6, 262 MHz, 75 / 3.5x	99.6
AMD Athlon, 600 MHz, 100 / 6.0x	99.4
Intel Pentium P55C, 250 MHz, 100 / 2.5x	99.3
Cyrix MediaGX, 333 MHz, 33 / 10.0x	98.9
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	98.9
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	98.7
Rise mP6, 233 MHz, 66 / 3.5x	98.4
Cyrix MII, 233 MHz, 66 / 3.5x	97.1
Intel Celeron, 400 MHz, 66 / 6.0x	96.4
AMD Athlon, 500 MHz, 100 / 5.0x	96.2
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	96
AMD K6, 300 MHz, 66 / 4.5x	94.6
Rise mP6, 200 MHz, 66 / 3.0x	94
IBM 6x86MX, 200 MHz, 66 / 3.0x	93.6
AMD K6, 266 MHz, 66 / 4.0x	93.5
Intel Pentium P55C, 233 MHz, 66 / 3.5x	93.3
AMD K6-2, 266 MHz, 66 / 4.0x	92.2
AMD K5, 125 MHz, 83 / 1.5x	92.1
Cyrix MediaGX, 300 MHz, 33 / 9.0x	91.4
Intel Celeron, 300 MHz, 66 / 4.5x	90.8
Intel PII, 266 MHz, 66 / 4.0x	89.5
AMD K6, 233 MHz, 66 / 3.5x	89.3

Intel Pentium P55C, 200 MHz, 66 / 3.0x	89.2
AMD K6-2, 233 MHz, 66 / 3.5x	88.7
AMD K6, 200 MHz, 66 / 3.0x	85.8
Intel Pentium P54C, 200 MHz, 66 / 3.0x	84.9
Intel PII, 233 MHz, 66 / 3.5x	84.9
IBM 6x86MX, 166 MHz, 66 / 2.5x	84.6
Cyrix 6x86L, 150 MHz, 75 / 2.0x	84.4
AMD K5, 133 Mhz, 66 / 2.0x	84.4
Intel Pentium II OD, 333 MHz, 66 / 5.0x	83.1
Rise mP6, 166 MHz, 66 / 2.5x	83.1
Intel Pentium P55C, 166 MHz, 66 / 2.5x	82.6
Cyrix MediaGX, 266 MHz, 33 / 3.0x	82.5
Rise mP6, 133 MHz, 66 / 2.0x	81.9
AMD K6, 166 MHz, 66 / 2.5x	81.3
Intel PII, 200 MHz, 66 / 3.0x	81
IDT Winchip2, 250 MHz, 83 / 3.0x	80.9
AMD K5, 117 MHz, 66 / 1.5x	80
IDT Winchip2, 262 MHz, 75 / 3.5x	79.2
Intel Pentium P54C, 166 MHz, 66 / 2.5x	79
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	78.7
AMD K6-3+, 133 MHz, 66 / 2.0x	78.4
Cyrix MediaGX, 233 MHz, 33 / 7.0x	77.6
AMD K6-2+, 133 MHz, 66 / 2.0x	76.8
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	76.6
AMD K5, 120 MHz, 60 / 2.0x	76.6
AMD K6-2, 133 MHz, 66 / 2.0x	76.3
IBM 6x86, 133 MHz, 66 / 2.0x	75.8
IDT Winchip2, 250 MHz, 100 / 2.5x	75.7
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	75.6
Intel Pentium II OD, 300 MHz, 60 / 5.0x	75.5
AMD K6, 133 MHz, 66 / 2.0x	75.1
Intel Pentium P55C, 133 MHz, 66 / 2.0x	75
AMD K5, 100 MHz, 66 / 1.5x	74.8
Intel Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	74.6
IDT Winchip2, 225 MHz, 75 / 3.0x	73.3
IDT Winchip2, 233 MHz, 100 / 2.33x	73.1
AMD K5, 105 MHz, 60 / 1.75x	72.5
Intel Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	71.8
Cyrix MediaGX, 200 MHz, 33 / 6.0x	71.7
Intel Pentium P54C, 150 MHz, 60 / 2.5x	71.7
Intel Pentium P54C, 133 MHz, 66 / 2.0x	71.6
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	71.6
VIA C3 Ezra, 600 MHz, 100 / 6.0x	71.6
Intel PII, 166 MHz, 66 / 2.5x	71.5
IDT Winchip2, 233 MHz, 66 / 3.5x	71.2
Intel Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	71.1

VIA C3 Samuel, 600 MHz, 100 / 6.0x	70.4
IBM 6x86, 120 MHz, 60 / 2.0x	68.8
IDT Winchip2, 240 MHz, 60 / 4.0x	68.8
Intel Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	68.6
VIA C3 Samuel, 550 MHz, 100 / 5.5x	68.3
AMD K5, 90 MHz, 60 / 1.5x	67.7
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	67.2
Intel Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	65.6
Intel Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	65.5
IDT Winchip2, 200 MHz, 66 / 3.0x	65.5
Intel Pentium P54C, 120 MHz, 60 / 2.0x	64.8
Cyrix MediaGX, 180 MHz, 30 / 6.0x	64.2
AMD X5, 160 MHz, 40 / 4.0x	64
Intel Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	64
Cyrix MediaGX, 166 MHz, 33 / 5.0x	63.9
Intel Pentium P24T, 100 MHz, 40 / 2.5x	63.8
Intel PII, 133 MHz, 66 / 2.0x	63.7
Intel Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	63.5
IBM 6x86, 110 MHz, 55 / 2.0x	63.2
Cyrix 6x86, 75 MHz, 75 / 1.0x	62.2
IDT Winchip C6, 200 MHz, 66 / 3.0x	61.4
Intel Pentium P54C, 100 MHz, 66 / 1.5x	61
IBM 5x86c, 133 MHz, 66 / 2.0x	60
Intel DX4, 133 MHz, 66 / 2.0x	60
Intel Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	59.9
Cyrix 6x86, 83 MHz, 83 / 1.0x	59
IDT Winchip2, 166 MHz, 66 / 2.5x	58.8
Intel Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	58.7
Intel Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	57.9
IBM 6x86, 100 MHz, 50 / 2.0x	57.8
Cyrix MediaGX, 150 MHz, 30 / 5.0x	57.2
AMD K5, 75 MHz, 50 / 1.5x	57
Intel Pentium P54C, 90 MHz, 60 / 1.5x	55.3
AMD X5, 133 MHz, 33 / 4.0x	54.5
Intel Pentium P5, 66 MHz, 66 / 1.0x	54.2
Intel Pentium P24T, 83 MHz, 33 / 2.5x	54.1
Cyrix MediaGX, 133 MHz, 33 / 4.0x	53.3
IBM 5x86c, 120 MHz, 60 / 2.0x	53.2
IDT Winchip2, 133 MHz, 66 / 2.0x	52.8
IBM 5x86c, 100 MHz, 50 / 2.0x	50.3
Intel Pentium P5, 60 MHz, 60 / 1.0x	47.5
IDT Winchip C6, 133 MHz, 66 / 2.0x	47.1
Intel Pentium P54C, 75 MHz, 50 / 1.5x	46.5
IDT Winchip2, 133 MHz, 50 / 2.66x	46.4

3DMARK99MAX – CPU 3DMARKS– RANKED IN DESCENDING ORDER

CPU (CPU 3D Marks)	3DMark99Max
AMD Athlon, 600 MHz, 100 / 6.0x	10939
AMD Athlon, 500 MHz, 100 / 5.0x	9723
Intel PIII - Cop, 600 MHz, 100 / 6.0x	9294
Intel PIII - Kat, 600 MHz, 100 / 6.0x	9057
AMD K6-3+, 600 MHz, 100 / 6.0x	8691
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	8561
Intel PIII, 550 MHz, 100 / 5.5x	8351
AMD K6-3+, 550 MHz, 100 / 5.5x	8153
AMD K6-2+, 600 MHz, 100 / 6.0x	8040
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	7858
Intel PIII, 500 MHz, 100 / 5.0x	7734
AMD K6-2+, 550 MHz, 100 / 5.5x	7702
AMD K6-3+, 500 MHz, 100 / 5.0x	7516
AMD K6-2, 600 MHz, 100 / 6.0x	7404
AMD K6-2+, 500 MHz, 100 / 5.0x	7132
AMD K6-3+, 500 MHz, 83 / 6.0x	6988
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	6985
AMD K6-3+, 450 MHz, 100 / 4.5x	6974
AMD K6-2, 550 MHz, 100 / 5.5x	6884
AMD K6-2+, 450 MHz, 100 / 4.5x	6720
AMD K6-2, 500 MHz, 100 / 5.0x	6586
AMD K6-3+, 400 MHz, 100 / 4.0x	6479
AMD K6-2+, 400 MHz, 100 / 4.0x	6211
AMD K6-2, 450 MHz, 100 / 4.5x	6179
AMD K6-3, 350 MHz, 100 / 3.5x	5842
AMD K6-2, 400 MHz, 100 / 4.0x	5806
AMD K6-2+, 350 MHz, 100 / 3.5x	5624
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	5615
AMD K6-2, 350 MHz, 100 / 3.5x	5298
AMD K6-3, 333 MHz, 83 / 4.0x	5199
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	4776
AMD K6-3, 300 MHz, 75 / 4.0x	4768
AMD K6-2, 300 MHz, 100 / 3.0x	4762
AMD K6-2, 333 MHz, 83 / 4.0x	4698
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	4623
VIA C3 Ezra, 600 MHz, 100 / 6.0x	4575
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	4466
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	4369
AMD K6-2+, 300 MHz, 75 / 4.0x	4350
AMD K6-2, 300 MHz, 75 / 4.0x	4311
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	4161
Intel PII, 400 MHz, 100 / 4.0x	3984
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	3967

AMD K6-2, 266 MHz, 66 / 4.0x	3829
Intel Celeron, 400 MHz, 66 / 6.0x	3741
Intel PII, 350 MHz, 100 / 3.5x	3525
AMD K6-2, 233 MHz, 66 / 3.5x	3487
VIA C3 Samuel, 600 MHz, 100 / 6.0x	3424
VIA C3 Samuel, 550 MHz, 100 / 5.5x	3233
Intel PII, 300 MHz, 100 / 3.0x	3099
Intel Pentium II OD, 333 MHz, 66 / 5.0x	3026
IDT Winchip2, 250 MHz, 100 / 2.5x	2973
Intel Celeron, 300 MHz, 66 / 4.5x	2969
IDT Winchip2, 250 MHz, 83 / 3.0x	2862
IDT Winchip2, 262 MHz, 75 / 3.5x	2852
IDT Winchip2, 233 MHz, 100 / 2.33x	2792
Intel Pentium II OD, 300 MHz, 60 / 5.0x	2710
Intel PII, 266 MHz, 66 / 4.0x	2696
IDT Winchip2, 225 MHz, 75 / 3.0x	2558
IDT Winchip2, 233 MHz, 66 / 3.5x	2539
IDT Winchip2, 240 MHz, 60 / 4.0x	2516
AMD K6-3+, 133 MHz, 66 / 2.0x	2411
Intel PII, 233 MHz, 66 / 3.5x	2394
Intel Pentium Pro P6, 233 MHz / 1mb, 66 / 3.5x	2332
AMD K6-2+, 133 MHz, 66 / 2.0x	2296
IDT Winchip2, 200 MHz, 66 / 3.0x	2274
Intel Pentium Pro P6, 233 MHz / 256kb, 66 / 3.5x	2234
AMD K6-2, 133 MHz, 66 / 2.0x	2213
Intel Pentium P55C, 300 MHz, 100 / 3.0x	2171
Intel PII, 200 MHz, 66 / 3.0x	2079
Intel Pentium P55C, 300 MHz, 75 / 4.0x	2056
Intel Pentium Pro P6, 200 MHz / 1mb, 66 / 3.0x	2037
Intel Pentium Pro P6, 210 MHz / 256kb, 60 / 3.5x	2011
IDT Winchip2, 166 MHz, 66 / 2.5x	1966
Intel Pentium Pro P6, 200 MHz / 256kb, 66 / 3.0x	1965
Intel Pentium P55C, 250 MHz, 100 / 2.5x	1863
Cyrix MII, 400 MHz, 100 / 4.0x	1847
Intel Pentium P55C, 262 MHz, 75 / 3.5x	1837
AMD K6, 333 MHz, 83 / 4.0x	1834
Intel Pentium P55C, 262 MHz, 75 / 3.5x	1812
Intel Pentium Pro P6, 180 MHz / 256kb, 60 / 3.0x	1769
Intel PII, 166 MHz, 66 / 2.5x	1758
Intel Pentium Pro P6, 166 MHz / 1mb, 66 / 2.5x	1739
AMD K6, 300 MHz, 100 / 3.0x	1724
Intel Pentium Pro P6, 166 MHz / 256kb, 66 / 2.5x	1690
IDT Winchip2, 133 MHz, 66 / 2.0x	1687
AMD K6, 300 MHz, 75 / 4.0x, SS7	1656

AMD K6, 300 MHz, 75 / 4.0x	1646
Cyrix MII, 350 MHz, 100 / 3.5x	1629
Intel Pentium P55C, 233 MHz, 66 / 3.5x	1619
AMD K6, 292 MHz, 83 / 3.5x	1615
AMD K6, 300 MHz, 66 / 4.5x	1605
IDT Winchip2, 133 MHz, 50 / 2.66x	1554
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	1522
Cyrix MII, 333 MHz, 83 / 4.0x	1520
Intel Pentium Pro P6, 150 MHz / 256kb, 60 / 2.5x	1518
AMD K6, 262 MHz, 75 / 3.5x	1472
Intel Pentium P55C, 200 MHz, 66 / 3.0x	1465
AMD K6, 266 MHz, 66 / 4.0x	1462
Intel Pentium Pro P6, 133 MHz / 1mb, 66 / 2.0x	1416
Intel PII, 133 MHz, 66 / 2.0x	1415
Cyrix MII, 300 MHz, 100 / 3.0x	1410
Intel Pentium Pro P6, 133 MHz / 256kb, 66 / 2.0x	1384
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	1369
Intel Pentium P54C, 200 MHz, 66 / 3.0x	1357
Cyrix MII, 300 MHz, 75 / 4.0x	1356
Cyrix MII, 285 MHz, 95 / 3.0x	1343
Cyrix MII, 292 MHz, 83 / 3.5x	1337
Intel Celeron, 450 MHz, 100 / 4.5x	1331
AMD K6, 233 MHz, 66 / 3.5x	1292
Intel Pentium P55C, 166 MHz, 66 / 2.5x	1239
Cyrix MII, 266 MHz, 66 / 4.0x	1225
Cyrix MII, 262 MHz, 75 / 3.5x	1199
Cyrix MII, 250 MHz, 100 / 2.5x	1192
Intel Pentium P54C, 166 MHz, 66 / 2.5x	1179
Cyrix MII, 250 MHz, 83 / 3.0x	1164
AMD K6, 200 MHz, 66 / 3.0x	1071
Cyrix MII, 233 MHz, 66 / 3.5x	1067
Cyrix MediaGX, 333 MHz, 33 / 10.0x	1062
Intel Pentium P54C, 150 MHz, 60 / 2.5x	1057
Intel Pentium P55C, 133 MHz, 66 / 2.0x	1036
AMD K5, 133 MHz, 66 / 2.0x	1000
Rise mP6, 233 MHz, 66 / 3.5x	989
Intel Pentium P54C, 133 MHz, 66 / 2.0x	982
IBM 6x86MX, 200 MHz, 66 / 3.0x	960

AMD K5, 125 MHz, 83 / 1.5x	957
Cyrix MediaGX, 300 MHz, 33 / 9.0x	956
Rise mP6, 200 MHz, 100 / 2.0x	915
Rise mP6, 208 MHz, 83 / 2.5x	913
AMD K6, 166 MHz, 66 / 2.5x	912
AMD K5, 120 MHz, 60 / 2.0x	900
AMD K5, 117 MHz, 66 / 1.5x	887
Intel Pentium P54C, 120 MHz, 60 / 2.0x	885
Rise mP6, 200 MHz, 66 / 3.0x	861
Cyrix MediaGX, 266 MHz, 33 / 3.0x	846
IBM 6x86MX, 166 MHz, 66 / 2.5x	804
AMD K5, 105 MHz, 60 / 1.75x	801
AMD K5, 100 MHz, 66 / 1.5x	763
Intel Pentium P54C, 100 MHz, 66 / 1.5x	762
Rise mP6, 166 MHz, 83 / 2.0x	752
AMD K6, 133 MHz, 66 / 2.0x	744
Cyrix MediaGX, 233 MHz, 33 / 7.0x	739
Rise mP6, 166 MHz, 66 / 2.5x	728
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	705
Intel Pentium P54C, 90 MHz, 60 / 1.5x	687
AMD K5, 90 MHz, 60 / 1.5x	686
Intel Pentium P24T, 100 MHz, 40 / 2.5x	668
IDT Winchip C6, 200 MHz, 66 / 3.0x	663
Cyrix MediaGX, 200 MHz, 33 / 6.0x	638
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	632
Rise mP6, 133 MHz, 66 / 2.0x	601
AMD K5, 75 MHz, 50 / 1.5x	573
Intel Pentium P5, 66 MHz, 66 / 1.0x	572
Intel Pentium P54C, 75 MHz, 50 / 1.5x	572
Cyrix MediaGX, 180 MHz, 30 / 6.0x	567
Intel Pentium P24T, 83 MHz, 33 / 2.5x	559
Cyrix MediaGX, 166 MHz, 33 / 5.0x	529
Intel Pentium P5, 60 MHz, 60 / 1.0x	506
Cyrix MediaGX, 150 MHz, 30 / 5.0x	471
IDT Winchip C6, 133 MHz, 66 / 2.0x	452
Cyrix MediaGX, 133 MHz, 33 / 4.0x	419

PASSMARK - MMX – RANKED IN DESCENDING ORDER

CPU	PassMark MMX
Intel PIII - Cop, 600 MHz, 100 / 6.0x	119
Intel PIII - Kat, 600 MHz, 100 / 6.0x	114
Intel PIII Xeon, 550 MHz / 512kb, 100 / 5.5x	107
AMD Athlon, 600 MHz, 100 / 6.0x	104
Intel PIII, 550 MHz, 100 / 5.5x	104
AMD K6-3+, 600 MHz, 100 / 6.0x	100
Intel PIII Xeon, 500 MHz / 512kb, 100 / 5.0x	98.1
Intel PIII, 500 MHz, 100 / 5.0x	96.1
AMD K6-2, 600 MHz, 100 / 6.0x	95.6
AMD K6-2+, 600 MHz, 100 / 6.0x	95.5
AMD K6-3+, 550 MHz, 100 / 5.5x	91.8
AMD K6-2+, 550 MHz, 100 / 5.5x	89.2
AMD K6-2, 550 MHz, 100 / 5.5x	87.7
AMD Athlon, 500 MHz, 100 / 5.0x	87.5
AMD K6-3+, 500 MHz, 83 / 6.0x	84.4
AMD K6-3+, 500 MHz, 100 / 5.0x	83.7
AMD K6-2+, 500 MHz, 100 / 5.0x	81.6
AMD K6-2, 500 MHz, 100 / 5.0x	80.9
AMD K6-3+, 500 MHz, 83 / 6.0x, SS7	80.5
AMD K6-3+, 450 MHz, 100 / 4.5x	75.8
AMD K6-2, 450 MHz, 100 / 4.5x	73.3
AMD K6-2+, 450 MHz, 100 / 4.5x	73
Intel PII Xeon, 450 MHz / 512kb, 100 / 4.5x	68.8
Intel PII Xeon, 450 MHz / 2mb, 100 / 4.5x	68.7
AMD K6-3+, 400 MHz, 100 / 4.0x	67.4
AMD K6-3+, 400 MHz, 66 / 6.0x, SS7	67.2
AMD K6-2+, 400 MHz, 100 / 4.0x	66.6
AMD K6-2, 400 MHz, 100 / 4.0x	65.5
AMD K6-2, 400 MHz, 66 / 6.0x, SS7	63.7
Intel PII Xeon, 400 MHz / 512kb, 100 / 4.0x	62.7
Intel PII Xeon, 400 MHz / 2mb, 100 / 4.0x	61.3
Intel PII, 400 MHz, 100 / 4.0x	60.1
AMD K6-3, 350 MHz, 100 / 3.5x	59.7
AMD K6-2+, 350 MHz, 100 / 3.5x	58.3
AMD K6-2, 350 MHz, 100 / 3.5x	58.1
Intel Celeron, 450 MHz, 100 / 4.5x	58
AMD K6-3, 333 MHz, 83 / 4.0x	56.8
VIA C3 Nehemiah, 600 MHz, 100 / 6.0x	55.1
VIA C3 Nehemiah, 600 MHz, 66 / 9.0x	55.1
AMD K6-2, 333 MHz, 83 / 4.0x	54.6
Intel PII, 350 MHz, 100 / 3.5x	52.8
Intel Celeron, 400 MHz, 66 / 6.0x	51.7
Intel Pentium II OD, 333 MHz, 66 / 5.0x	51.3

AMD K6-3, 300 MHz, 75 / 4.0x	51
AMD K6-2, 300 MHz, 75 / 4.0x	50.6
AMD K6-2, 300 MHz, 100 / 3.0x	50.4
AMD K6-2+, 300 MHz, 75 / 4.0x	49.4
VIA C3 Ezra, 600 MHz, 100 / 6.0x	46.5
Intel PII, 300 MHz, 100 / 3.0x	46.4
AMD K6-2, 266 MHz, 66 / 4.0x	44.4
Intel Pentium II OD, 300 MHz, 60 / 5.0x	43.5
Cyrix MII, 400 MHz, 100 / 4.0x	42.3
Intel PII, 266 MHz, 66 / 4.0x	41.1
AMD K6, 333 MHz, 83 / 4.0x	40.4
Intel Celeron, 300 MHz, 66 / 4.5x	39.2
AMD K6-2, 233 MHz, 66 / 3.5x	38.4
VIA C3 Samuel-2, 600 MHz, 100 / 6.0x	37.6
Cyrix MII, 350 MHz, 100 / 3.5x	37.4
AMD K6, 300 MHz, 100 / 3.0x	37.1
VIA C3 Nehemiah, 400 MHz, 66 / 6.0x	37
Intel PII, 233 MHz, 66 / 3.5x	36
AMD K6, 300 MHz, 75 / 4.0x	35.5
Cyrix MII, 333 MHz, 83 / 4.0x, SS7	35.3
AMD K6, 300 MHz, 75 / 4.0x, SS7	35.3
AMD K6, 300 MHz, 66 / 4.5x	34.6
AMD K6, 292 MHz, 83 / 3.5x	34.2
Cyrix MII, 300 MHz, 100 / 3.0x	32.4
AMD K6, 262 MHz, 75 / 3.5x	32.1
Cyrix MII, 292 MHz, 83 / 3.5x	31.9
Cyrix MII, 300 MHz, 75 / 4.0x	31.7
Cyrix MII, 300 MHz, 75 / 4.0x, SS7	31.3
Intel PII, 200 MHz, 66 / 3.0x	31
Cyrix MII, 285 MHz, 95 / 3.0x	30.9
AMD K6, 266 MHz, 66 / 4.0x	30.5
Cyrix MII, 262 MHz, 75 / 3.5x	28.7
Cyrix MII, 266 MHz, 66 / 4.0x	27.9
AMD K6, 233 MHz, 66 / 3.5x	27.9
Cyrix MII, 250 MHz, 100 / 2.5x	27.6
Cyrix MII, 250 MHz, 83 / 3.0x	27.1
Cyrix MII, 333 MHz, 83 / 4.0x	26.4
Intel PII, 166 MHz, 66 / 2.5x	25.9
Cyrix MII, 233 MHz, 66 / 3.5x	24.5
AMD K6, 200 MHz, 66 / 3.0x	24.1
AMD K6-3+, 133 MHz, 66 / 2.0x	23.5
AMD K6-2+, 133 MHz, 66 / 2.0x	23
IBM 6x86MX, 200 MHz, 66 / 3.0x	22.7
AMD K6-2, 133 MHz, 66 / 2.0x	21.8

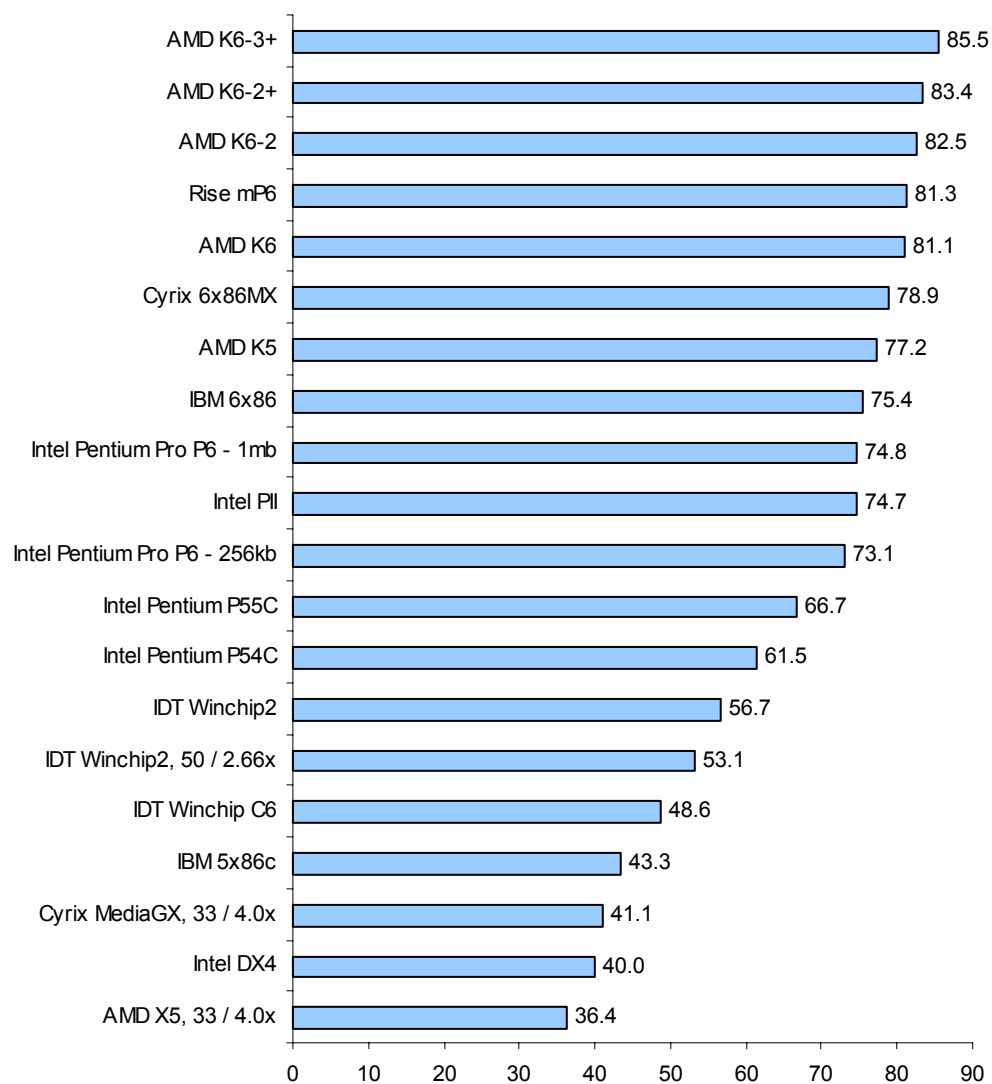
AMD K6, 166 MHz, 66 / 2.5x	21.4
Intel PII, 133 MHz, 66 / 2.0x	20.7
IDT Winchip2, 250 MHz, 83 / 3.0x	20
IDT Winchip2, 250 MHz, 100 / 2.5x	19.3
IDT Winchip2, 262 MHz, 75 / 3.5x	19
Intel Pentium P55C, 300 MHz, 100 / 3.0x	18.5
Intel Pentium P55C, 300 MHz, 75 / 4.0x	18.3
IBM 6x86MX, 166 MHz, 66 / 2.5x	18
IDT Winchip2, 233 MHz, 100 / 2.33x	17.9
IDT Winchip2, 225 MHz, 75 / 3.0x	17.7
AMD K6, 133 MHz, 66 / 2.0x	17.6
Intel Pentium P55C, 250 MHz, 100 / 2.5x	17.6
Intel Pentium P55C, 262 MHz, 75 / 3.5x	17.3
IDT Winchip2, 233 MHz, 66 / 3.5x	16.9
IDT Winchip2, 240 MHz, 60 / 4.0x	16.3
Cyrix 6x86MX, 150 MHz, 60 / 2.5x	15.9
IDT Winchip2, 200 MHz, 66 / 3.0x	15.9
Intel Pentium P55C, 233 MHz, 66 / 3.5x	15.2
Cyrix 6x86MX, 133 MHz, 66 / 2.0x	14.8
Intel Pentium P55C, 200 MHz, 66 / 3.0x	14.8
Cyrix MediaGX, 333 MHz, 33 / 10.0x	14.7
Intel Pentium P55C, 262 MHz, 75 / 3.5x, SS7	14.5
IDT Winchip2, 166 MHz, 66 / 2.5x	14.1

VIA C3 Samuel, 600 MHz, 100 / 6.0x	13.9
Intel Pentium P55C, 166 MHz, 66 / 2.5x	13.8
VIA C3 Samuel, 550 MHz, 100 / 5.5x	13.6
Rise mP6, 200 MHz, 100 / 2.0x	13.4
Cyrix MediaGX, 300 MHz, 33 / 9.0x	13.2
Intel Pentium P55C, 133 MHz, 66 / 2.0x	13
IDT Winchip2, 133 MHz, 66 / 2.0x	12.8
Cyrix MediaGX, 266 MHz, 33 / 3.0x	11.6
Rise mP6, 208 MHz, 83 / 2.5x	11.6
Rise mP6, 233 MHz, 66 / 3.5x	11.6
IDT Winchip2, 133 MHz, 50 / 2.66x	11
Rise mP6, 166 MHz, 83 / 2.0x	11
Rise mP6, 200 MHz, 66 / 3.0x	10.8
Cyrix MediaGX, 233 MHz, 33 / 7.0x	10.2
IDT Winchip C6, 200 MHz, 66 / 3.0x	9.6
Rise mP6, 166 MHz, 66 / 2.5x	9.3
Cyrix MediaGX, 200 MHz, 33 / 6.0x	8.8
Rise mP6, 133 MHz, 66 / 2.0x	8.8
Cyrix MediaGX, 180 MHz, 30 / 6.0x	7.8
Cyrix MediaGX, 166 MHz, 33 / 5.0x	7.2
IDT Winchip C6, 133 MHz, 66 / 2.0x	6.7
Cyrix MediaGX, 150 MHz, 30 / 5.0x	6.3
Cyrix MediaGX, 133 MHz, 33 / 4.0x	5.7

Integer Performance - 133 MHz

(66 x 2.0)

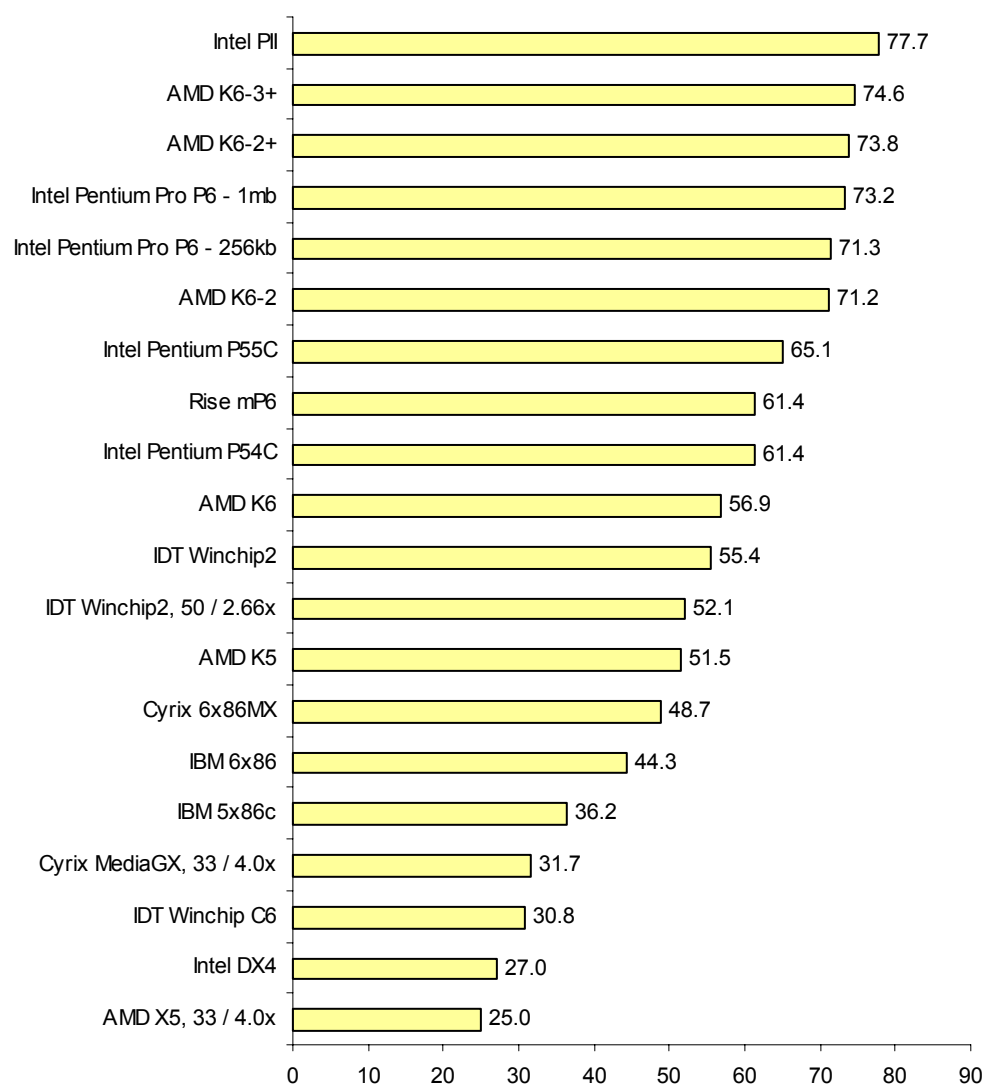
Normalised to P233 MMX x100



Floating Point Performance - 133 MHz

(66 x 2.0)

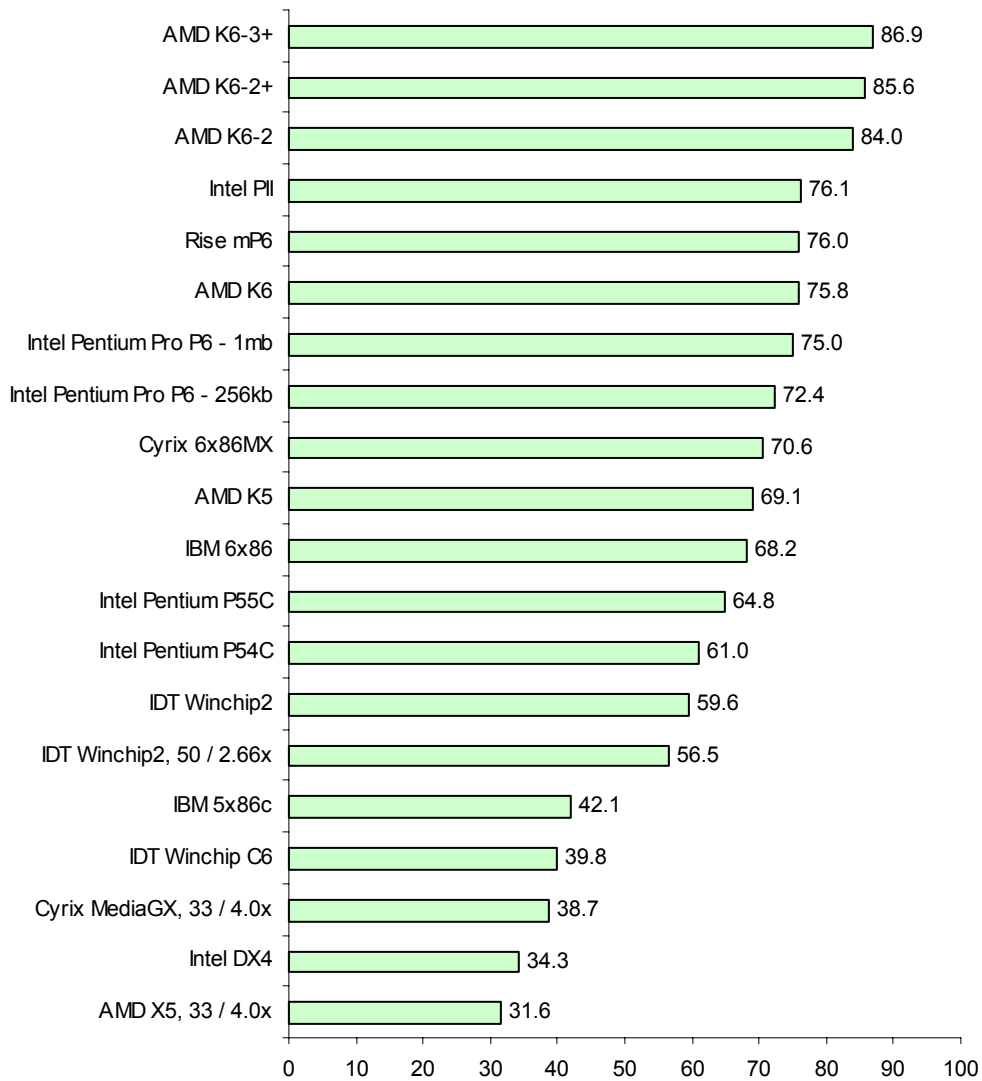
Normalised to P233 MMX x100



Overall Performance - 133 MHz

(66 x 2.0)

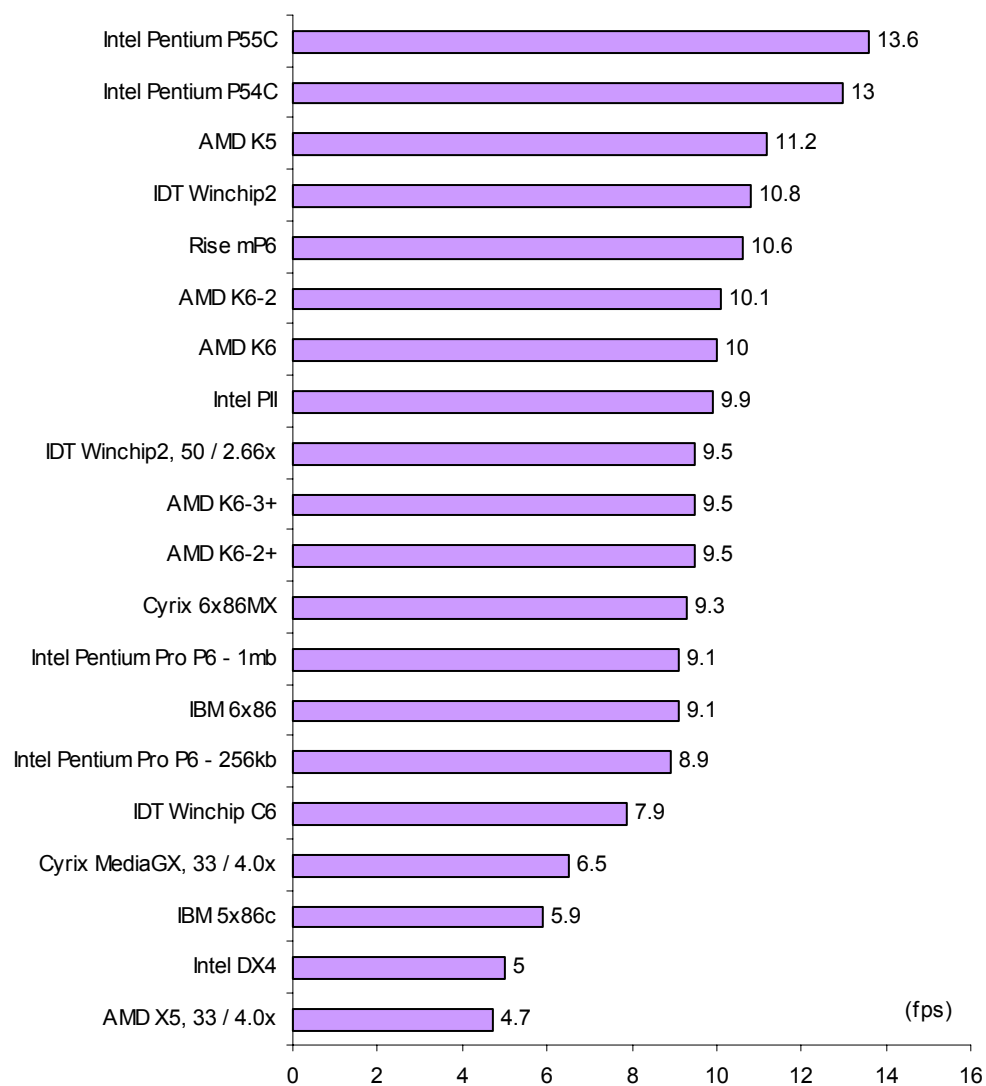
Normalised to P233 MMX x100



Quake 1 - 133 MHz

(66 x 2.0)

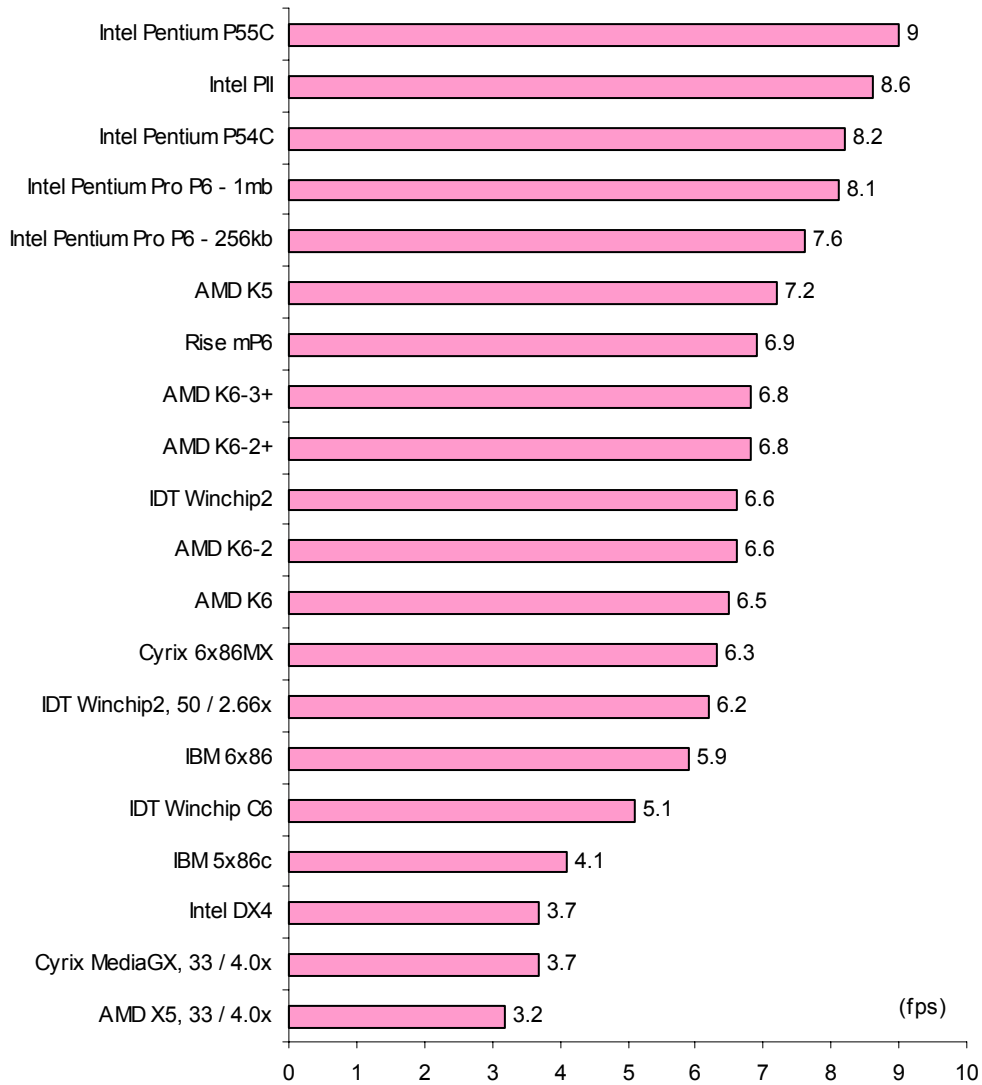
640x480 - DOS - No Sound - Software Mode



Quake 2 - 133 MHz

(66 x 2.0)

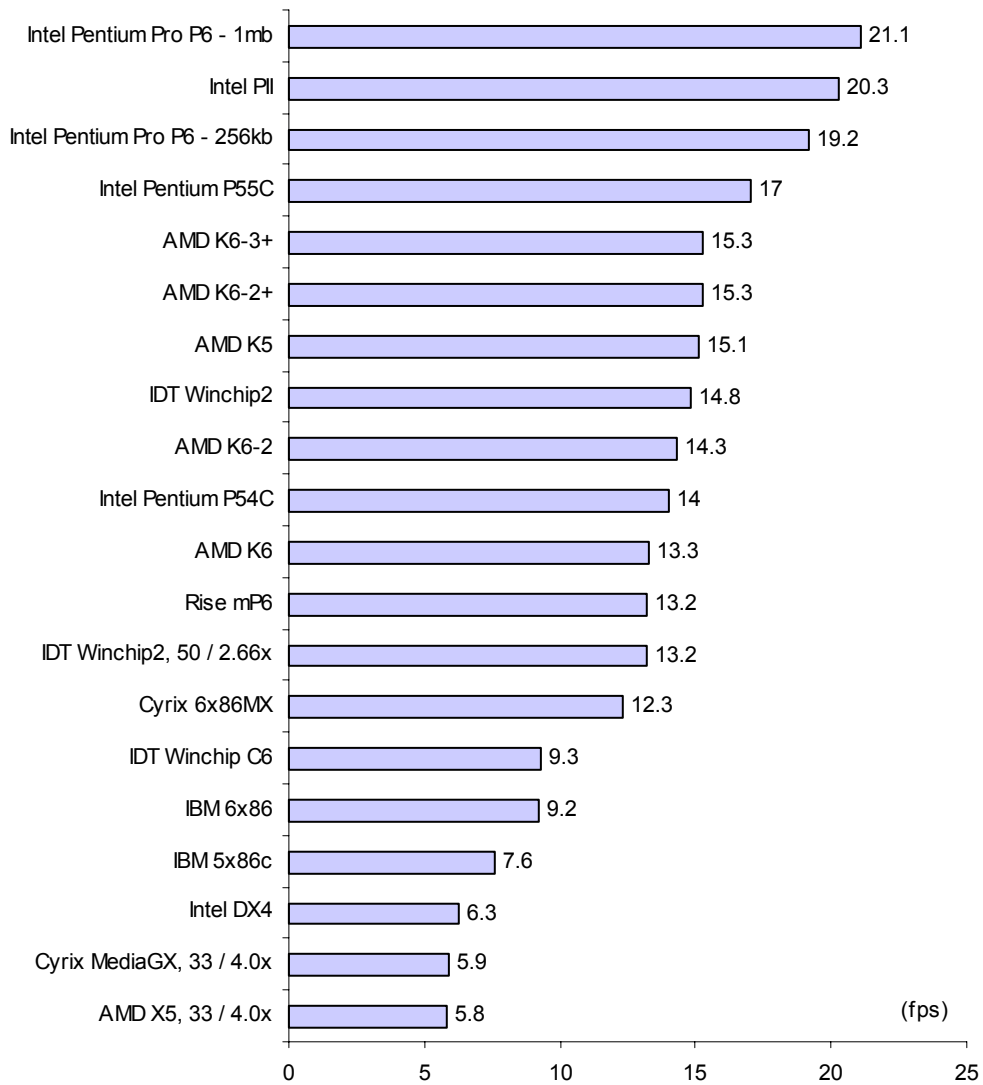
640x480 - Win98 - Software Mode



Quake 2 OpenGL - 133 MHz

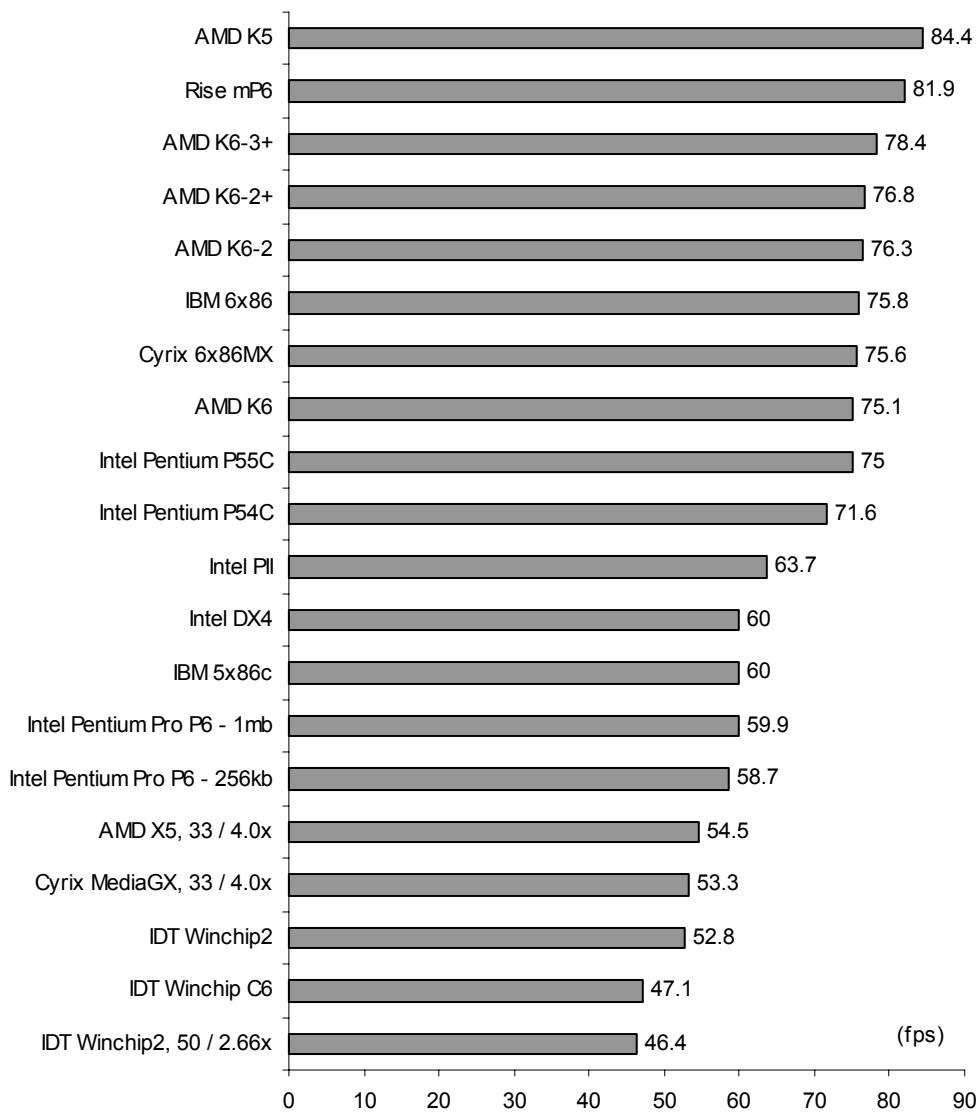
(66 x 2.0)

640x480 - Win98 - Matrox G200 - Not 3DNow! optimised

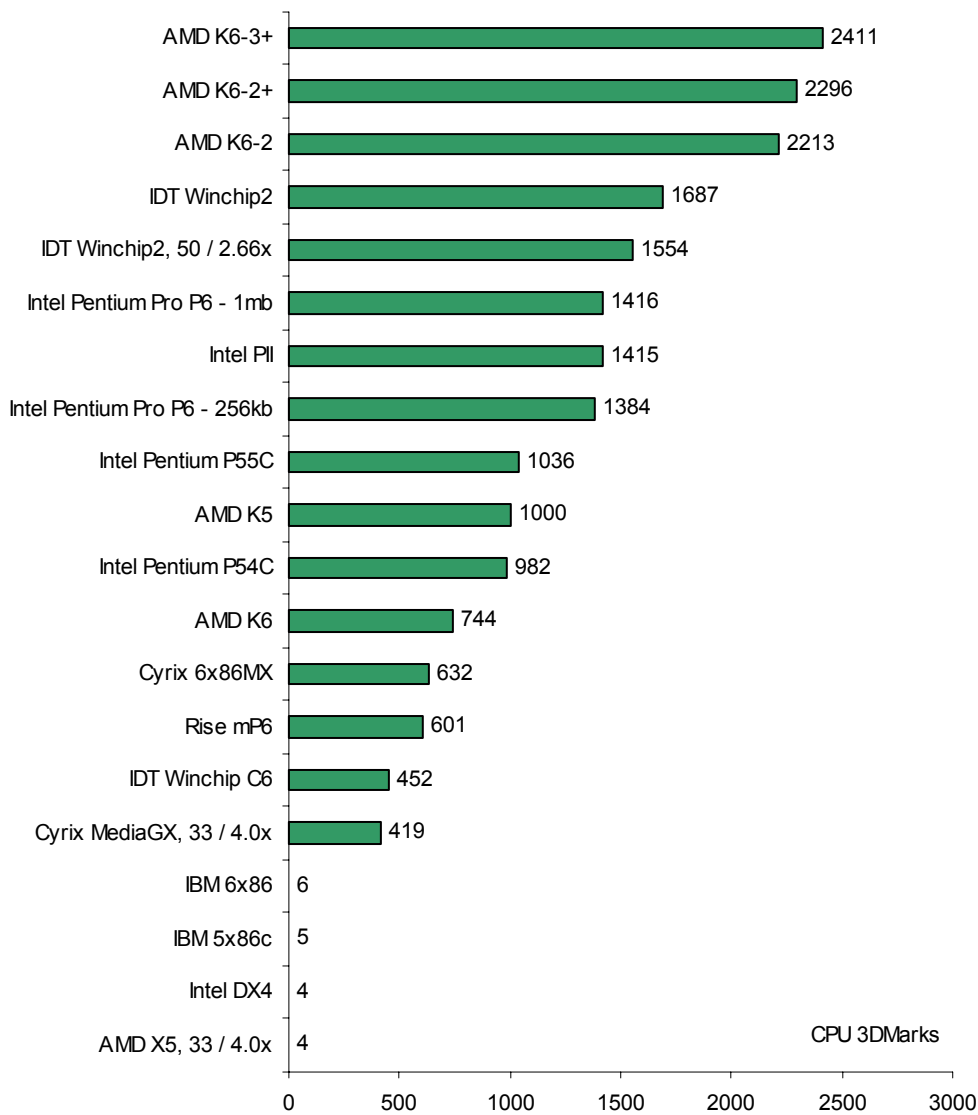


DOOM - 133 MHz

(66 x 2.0)

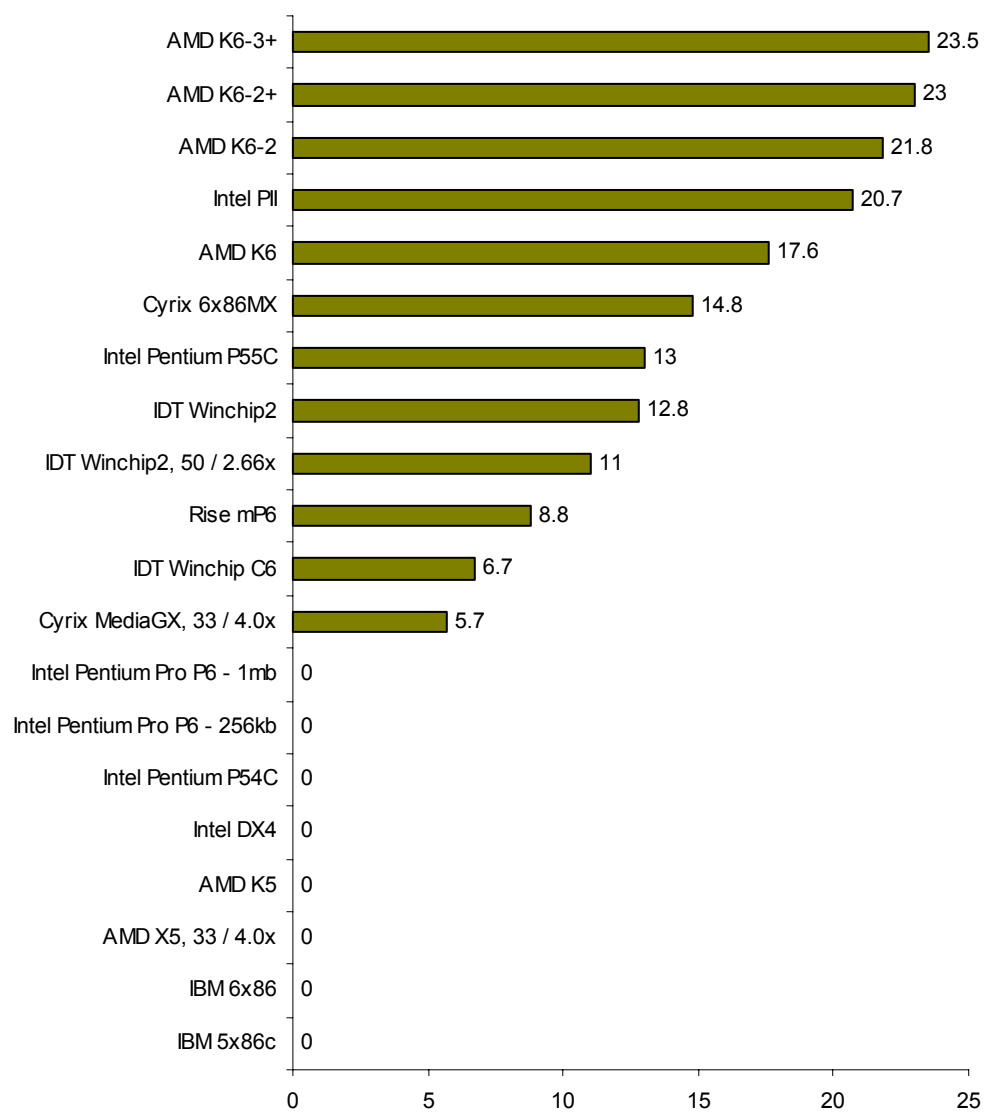


3DMark99Max - 133 MHz (66 x 2.0)



PassMark MMX - 133 MHz

(66 x 2.0)



686 Benchmark Comparison (RAW)

		1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
		CPU Type: Operating Frequency: FSB/Multiplier: L1/2 Cache Type: Model/S-spec: CPUID (Type, Family, Model, Stepping):		IBM x86c 100 MHz ¹ 50 / 2.0x 16KB-unif WB Step0 Rev5	IBM x86c 120 MHz ¹ 60 / 2.0x 16KB-unif WB Step0 Rev5	IBM x86c 133 MHz ¹ 66 / 2.0x 16KB-unif WB Step0 Rev5	Cyrix MediaGX 133 MHz ¹ ^{h,c} 33 / 4.0x 12KB-unif WB Step3 Rev3 0540	Cyrix MediaGX 150 MHz ⁹ 30 / 5.0x 12KB-unif WB Step3 Rev3 0540	Cyrix MediaGX 166 MHz ⁹ 33 / 7.0x 12KB-unif WB Step3 Rev3 0540	Cyrix MediaGX 180 MHz ⁹ 30 / 6.0x 12KB-unif WB Step3 Rev3 0540	Cyrix MediaGX 200 MHz ⁹ 33 / 6.0x 12KB-unif WB Step3 Rev3 0540	Cyrix MediaGX 233 MHz ⁹ 33 / 7.0x 12KB-unif WB Step3 Rev3 0540	Cyrix MediaGX 266 MHz ⁹ 33 / 8.0x 12KB-unif WB Step3 Rev4 0540	Cyrix MediaGX 300 MHz ^{h,c} 33 / 9.0x 12KB-unif WB Step3 Rev4 0540	Cyrix MediaGX 333 MHz ^{h,c} 33 / 10.0x 12KB-unif WB Step3 Rev4 0540	Cyrix 6x86 75 MHz ² 75 / 1.0x 16KB-unif WB Step0 Rev6 0530	Cyrix 6x86 83 MHz ² 83 / 1.0x 16KB-unif WB Step3 Rev6 0530	IBM 6x86 100 MHz ² 50 / 2.0x 16KB-unif WB Step1 Rev7 0520	IBM 6x86 110 MHz ² 55 / 2.0x 16KB-unif WB Step1 Rev7 0520
Dominant Test Type		DOS 7.10																	
1	ALU	O	Symantec Sysinfo v8.0	280	336	373	349	394	441	473	529	618	706	797	886	508	565	680	747
2	FPU	F	PiDOS [75k digits] (sec.)	189	161	143	159	143	127	119	106	93	81	72	65	188	169	145	132
3	ALU	I	Landmark v2.0 Integer ALU (Mhz)	466	559	621	608	635	711	762	853	1002	1145	1342	1439	928	1033	1209	1328
4	FPU	F	Floating-point FPU (Mhz)	1309	1571	1750	1485	1674	1875	2009	2250	2625	3000	3388	3763	945	1052	1265	1390
5	GPU	F	Video (char/sec)	13800	12400	13800	16700	14900	16700	14900	16700	16700	16700	16700	16700	51700	54600	54600	54600
6	ALU	I	ByteMark v2, 32-bit DOS Numeric Sort (iterations/sec)	28.8	33.9	37.6	33.3	37.6	41.8	44.9	50.7	58.7	67	75.7	84.1	28.5	31.6	41.5	45.4
7	ALU	I	String Sort (iterations/sec)	2.72	3.29	3.49	3.1	3.48	3.91	4.19	4.68	5.51	6.23	7.08	7.86	3.29	3.67	4.29	4.72
8	ALU	I	Bitfield (millions of iterations/sec)	4.68	5.55	6.18	5.63	6.33	7.08	7.6	8.5	9.92	11.3	12.8	14.2	6.58	7.33	8.82	9.68
9	ALU	I	FP Emulation (iterations/sec)	1.78	2.13	2.36	2.37	2.67	2.99	3.21	3.59	4.18	4.78	5.39	5.99	2.02	2.26	2.72	3.01
10	FPU	I	Fourier (iterations/sec)	600	717	798	743	838	940	1006	1125	1315	1503	1697	1885	445	496	597	654
11	ALU	I	Assignment (iterations/sec)	0.177	0.21	0.232	0.185	0.21	0.235	0.252	0.283	0.328	0.375	0.419	0.465	0.22	0.245	0.287	0.315
12	ALU	I	IDEA (iterations/sec)	49.3	59.2	64.9	69.9	79.1	88.4	94.8	106	124	142	160	178	58.9	65.9	90.5	99.2
13	ALU	I	Huffman (iterations/sec)	27.6	33.2	36.9	34.4	38.8	43.4	46.5	52.1	60.8	69.3	78.3	87	24.7	35.1	43	47.2
14	FPU	I	Neural Net (iterations/sec)	0.272	0.327	0.363	0.297	0.33	0.366	0.396	0.444	0.518	0.591	0.681	0.757	0.22	0.245	0.297	0.326
15	FPU	I	LU Decomposition (iter/sec)	10.1	11.9	13	9.65	10.7	12.3	12.6	14.4	16.5	18.9	21.2	23.5	9.83	11.2	12.2	13.6
16	ALU	I	Integer Index (% of Pentium 90)	81.5	97.2	107	99.2	112	125	134	150	175	200	226	251	93.1	107	133	146
17	FPU	F	Floating-point Index (% of P90)	57.2	68.1	75.3	61.7	69.4	78.1	82.7	93.3	108	124	140	155	47.8	53.5	62.6	69
18	ALU	I	Roy Longbottom Dhrystone v1.1 DHRV10D (VAX MIPS Rating)	106	128	141	138	155	174	186	203	244	278	314	349	113	126	159	174
19	FPU	F	Roy Longbottom Whetstone WHETCOD, MWIPS (MFLOPS)	45.1	54.2	60.2	53.5	60.3	67.6	72.4	81	94.6	108	122	135	33.5	37.3	44.9	49.2
20	FPU	F	N1, Floating Point (MFLOPS)	12.7	15.2	16.8	12.8	14.5	16.2	17.5	19.6	22.8	26.2	29.6	32.9	8.79	9.81	11.8	12.9
21	FPU	F	N2, Floating Point (MFLOPS)	10.2	12.3	13.8	10.8	12.3	13.6	14.6	16.3	19.1	21.9	24.7	27.4	7.24	8.07	9.76	10.6
22	ALU, FPU	F	N3, If Then Else (MOPS)	16.6	19.8	22.3	19.3	21.4	24	25.9	28.7	33.4	37.7	42.6	47.2	18.7	20.8	25.8	27.6
23	FPU	F	N4, Fixed Point (MOPS)	10.9	13.2	14.6	13	14.7	16.4	17.7	19.7	23.1	26.4	29.8	33.1	11.4	12.7	15.3	16.8
24	FPU	F	N5, Sine, Cosine (MOPS)	1.74	2.09	2.32	2.23	2.5	2.81	3.01	3.37	3.92	4.48	5.07	5.63	1.3	1.45	1.73	1.91
25	FPU	F	N6, Floating Point (MFLOPS)	6.9	8.28	9.19	8.27	9.34	10.4	11.2	12.5	14.6	16.7	18.9	21	4.73	5.26	6.35	6.95
26	FPU	F	N7, Assignments (MOPS)	13.7	16.3	18.3	12.4	14	15.6	16.8	18.8	21.9	25	28.2	31.3	8.22	9.02	10.8	11.8
27	FPU	F	N8, Exp, Sqrt, etc (MOPS)	1.15	1.38	1.53	1.45	1.63	1.83	1.95	2.19	2.55	2.92	3.31	3.67	0.85	0.95	1.14	1.25
28	ALU	I	Speedsys v4.78 Total Score	56.6	67.9	75.4	66.4	75.1	84	90.1	101	118	135	152	169	49.9	55.6	66.4	73
29	GPU	I	Video Memory Bandwidth (MB/s)	46.9	42.9	47.2	27	24.1	27	24.1	27	27	27	27	27	51	55.8	51.5	55
30	RAM	O	System Memory Bandwidth (MB/s)	153	122	136	185	208	233	250	280	326	373	421	468	208	231	148	162
31	ALU	I	Max of Ave L1 Cache (MB/s)	155	171	190	210	237	265	284	318	371	424	479	532	254	283	340	374
32	RAM	I	Max of Ave L2 Cache (MB/s)	71	66.1	73.5	-	-	-	-	-	-	-	-	-	144	160	130	142
33	RAM	I	Max of Ave RAM Throughput (MB/s)	59	50.9	56.5	56.3	63	70.7	75.8	84.3	97.5	112	126	140	89.4	100	69.2	76
34	ALU	I	Ave L1 Cache (MB/s)	155	171	190	187	211	236	253	284	331	378	427	474	254	283	340	374
35	RAM	I	Ave L2 Cache (MB/s)	71	66.1	73.5	-	-	-	-	-	-	-	-	-	144	160	130	142
36	RAM	I	Ave RAM Cache (MB/s)	59	50.8	56.5	55.3	61.6	69.2	74.2	83	95.3	109	123	136	89.4	100	69.2	76
37	ALU	I	Max L1 Cache (MB/s)	189	227	252	253	285	319	342	382	447	510	576	640	286	318	383	421
38	RAM	I	Max L2 Cache (MB/s)	95	83.8	93	-	-	-	-	-	-	-	-	-	163	182	170	187
39	RAM	I	Max RAM Cache (MB/s)	93	76.5	85	67	75.5	84.8	90.8	102	119	136	154	171	104	116	90	98.8
40	MMX ALU	I	MMX Ave L1 Cache (MB/s)	-	-	-	210	237	265	284	318	371	424	479	532	-	-	-	-
41	MMX RAM	I	MMX Ave L2 Cache (MB/s)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	MMX ALU	I	MMX Ave RAM Cache (MB/s)	-	-	-	56.3	63	70.7	75.8	84.3	97.5	112	126	140	-	-	-	-
43	MMX ALU	I	MMX Max L1 Cache (MB/s)	-	-	-	429	483	541	580	650	758	866	978	1087	-	-	-	-
44	MMX RAM	I	MMX Max L2 Cache (MB/s)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	MMX RAM	I	MMX Max RAM Cache (MB/s)	-	-	-	72.3	81.5	91.6	98.2	110	128	147	166	184	-	-	-	-
46	ALU, FPU	O	Cachechx v7.0 L1 Cache (MB/s)	206	247	274	277	312	350	375	420	490	560	632	703	314	349	420	461
47	RAM	I	L2 Cache (MB/s)	84	92	102	-	-	-	-	-	-	-	-	-	178	199	186	204
48	RAM	I	Memory (MB/s)	70	63	70	73.3	82.5	92.6	99.3	111	130	148	167	186	114	127	98	108
49	RAM	I	RAM Read Access Time (ns)	60	66	60	103	101	90	84	75	64	56	42	31	73	66	85	77
50	RAM	I	RAM Write Access Time (ns)	40	50	45	124	122	108	101	90	77	68	51	38	100	90	130	119
51	ALU, GPU	I	3Dbench v1.0c	83.5	85.5	95.1	87.1	91.5	103	105	117	129	140	156	169	114	127	142	155
52	ALU, GPU	I	Doom v1.9s timedemo1 (fps)	50.3	53.2	60	53.3	57.2	63.9	64.2	71.7	77.6	82.5	91.4	98.9	62.2	59	57.8	63.2
53	ALU, GPU	I	Pcpbench v1.04 (arb. units) [VESA Modus 100 (640x400 8bpp LFB)]	8.2	8.9	9.9	11.6	12.3	13.7	14	15.7	17.4	19	21.1	23	12.4	13.8	13.9	15.3
54	FPU, GPU	F	Quake v1.06 timedemo1 (fps) [640x480, full screen, console off]	4.8	5.3	5.9	6.5	6.9	7.7	8	9	9.9	10.7	12	13.1	5.5	6.2	6.9	7.6
WINDOWS 98SE																			
55	FPU	F	SuperPi v1.1 [128k digits] (sec.)	204	189	180	185	167	148	137	122	109	94.4	84	75.9	205	183	170	153
56	ALU, RAM	I	Ziff-Davis Winbench96 CPUMark32 v1.0	159	177	196	164	180	203	218	245	275	315	354	392	223	254	233	271
57	ALU, RAM	I	Graphics WinMark v1.0	18.8	20.4 ^a	23.4 ^a	16	17.3	19.5	21.4	22	26.5	29.1	32.8	36.1	24.3	26.3	26.2	30.7
58	ALU, RAM	I	Ziff-Davis Winbench99 CPUMark99 Stand-alone v1.0	5.28	5.68	6.36	5.25	5.8	6.47	6.98	7.86	8.81	10.1	11.3	12.5	7.64	8.52	7.92	8.81
59	FPU	F	FPU WinMark99 v1.1	190	226	251	198	223	251	269	301	351	402	454	505	156	173	206	226
60	FPU, GPU, RAM	F	Ziff-Davis 3D Winbench97 3D Winmark v1.0	36.1	39.6 ^a	41.3 ^c (37.4 ^a)	33	36.1	40.7	41.9	47.2	54.1	60.1	67.5	74.3	33.5	37.4	39.6	44
61	ALU	I	WinTune98 (x2) Integer (MIPS)	162	192	217	199	224	253	271	304	355	405	458	510	189	208	251	276
62	FPU	F	Integer (MFLOPS)	73.4	88.2	98	88.7	100	113	121	138	159	182	206	229	58	64.4	77.5	85.2
63	GPU, MMX	I	Video 2D (Mpixels)	21.3	22.3	23	30.7	30.2	34.5	35	38.6	42.3	44.9	49.3	53	36.1	37.7	35.6	40.1
64	GPU, MMX	I	Direct3D (Mpixels)	29.6	30.2	33	61.3	61.5	61.9	62.1	61.9	62.6	62.9	63.3	63.6	42.4	43.1	42.9	42.9
65	GPU, MMX	I	OpenGL (Mpixels/s)	2.19 (19.9 ^f)	2.27 (21.0 ^f)	2.54 (22.6 ^f)	27.3	27.5	29.4	30.5	32	33.2	34.7	37.1	39.1	3.76 (22.8 ^f)	4.1 (24.1 ^f)	3.6 (24.7 ^f)	

686 Benchmark Comparison
(RAW) CPU Type:

686 Benchmark Comparison

(RAW)		CPU Type: Operating Frequency: FSB/Multiplier: L1/2 Cache Type: Model/S-spec: CPUID (Type, Family, Model, Stepping)	Cyrix Mill 350 MHz ¹ 100 / 3.5x 64KB-unf WB Step3 Rev5 0501	Cyrix Mill 400 MHz ^{1,c} 100 / 4.0x 64KB-unf WB Step3 Rev5 0501	AMD X5 133 MHz ¹ 33 / 4.0x 16KB-unf WB 133 ADZ 04F4	AMD X5 160 MHz ¹ 40 / 4.0x 16KB-unf WB 133 ADZ 04F4	AMD K5 75 MHz ² 50 / 1.5x 24KB-split WB 133ABR 0511	AMD K5 90 MHz ² 60 / 1.5x 24KB-split WB 133ABR 0511	AMD K5 100 MHz ² 66 / 1.5x 24KB-split WB 133ABR 0511	AMD K5 105 MHz ² 60 / 1.75x 24KB-split WB 166ABR 0534	AMD K5 117 MHz ² 66 / 1.5x 24KB-split WB 166ABR 0534	AMD K5 120 MHz ² 60 / 2.0x 24KB-split WB 166ABR 0534	AMD K5 125 MHz ² 83 / 1.5x 24KB-split WB 166ABR 0534	AMD K5 133 MHz ² 66 / 2.0x 24KB-split WB 200ABX 0534	AMD K6 133 MHz ² 66 / 2.0x 64KB-split WB 200ALR 0561	AMD K6 166 MHz ² 66 / 2.5x 64KB-split WB 200ALR 0561	AMD K6 200 MHz ² 66 / 3.0x 64KB-split WB 200ALR 0561	AMD K6 233 MHz ² 66 / 3.5x 64KB-split WB 300AFR 0570	AMD K6 262 MHz ² 75 / 3.5x 64KB-split WB 300AFR 0570	AMD K6 266 MHz ² 66 / 4.0x 64KB-split WB 300AFR 0570
DOS 7.10																				
1	Symantec Sysinfo v8.0		-	-	288	346	325	389	431	454	503	519	540	575	791	988	1186	1384	1555	1581
2	PIDOS [75k digits] (sec.)		41	36	180	150	158	132	119	114	102	100	95	90	75	61	52	46	41	41
Landmark v2.0																				
3	Integer ALU (Mhz)		4347	4968	446	535	673	806	894	941	1044	1075	1119	1193	1345	1681	2018	2354	2646	2690
4	Floating-point FPU (Mhz)		4692	5367	1090	1309	820	983	1090	1146	1272	1310	1364	1453	2103	2629	3155	3688	4146	4215
5	Video (char/sec)		54600	54600	13800	16900	19700	23400	26600	23400	26600	23400	32800	26600	25900	25900	25900	29800	26600	
Bytemark v2, 32-bit DOS																				
6	Numeric Sort (iterations/sec)		149	170	31.6	37.1	39.3	47.3	52	53.4	59	59.4	65.3	65.8	64	79.5	95.2	111	124	126
7	String Sort (iterations/sec)		15.2	17.5	2.03	2.43	2.13	2.53	2.82	2.89	3.21	3.26	3.41	3.53	6.35	7.97	9.52	11	12.5	12.7
8	Bitfield (millions of iterations/sec)		31	35.4	5.05	6.06	5.2	6.22	6.96	7.27	8.06	8.31	8.65	9.2	12.4	15.6	18.7	21.8	24.5	24.9
9	FP Emulation (iterations/sec)		9.45	10.8	2.1	2.51	2.64	3.18	3.52	3.68	4.11	4.22	4.4	4.69	3.05	3.8	4.55	5.33	5.89	6.07
10	Fourier (iterations/sec)		2236	25555	499	600	289	346	384	404	448	462	481	513	1134	1417	1702	1988	2232	2269
11	Assignment (iterations/sec)		1.06	1.2	0.194	0.233	0.396	0.478	0.529	0.549	0.608	0.621	0.666	0.687	0.42	0.521	0.618	0.707	0.796	0.805
12	IDEA (iterations/sec)		314	358	51.9	2.4	91.4	110	121	128	141	146	152	162	125	156	187	215	245	250
13	Huffman (iterations/sec)		152	174	34.3	41.2	46.5	55.6	61.6	64.8	71.8	73.9	77.5	82	84.3	104	126	147	166	169
14	Neural Net (iterations/sec)		1.17	1.33	0.252	0.301	0.286	0.342	0.379	0.393	0.436	0.445	0.475	0.494	0.668	0.835	1	1.17	1.32	1.34
15	LU Decomposition (lter/sec)		59.9	68.2	8.86	10.4	11.4	13.7	15.4	15.7	17.3	17.9	19.3	19.6	23.5	29.6	32.6	37.6	44.4	41.3
16	Integer Index (% of Pentium 90)		470	538	86.3	103	117	140	155	161	179	183	193	202	194	241	290	336	378	385
17	Floating-point Index (% of P90)		261	298	50.1	59.7	47.4	56.8	63.3	65.5	72.5	74.7	79.3	82.4	126	158	185	215	246	242
Roy Longbottom Dhrystone v1.1 DHR10D (VAX MIPS Rating)			539	616	134	161	144	173	192	193	214	217	238	240	235	293	349	397	445	451
Roy Longbottom Whetstone																				
19	WHETCOO, MWIPS (MFLOPS)		165	188	33.6	40.3	24.3	29.1	32.3	33.9	37.6	38.8	40.4	43	82.5	103	124	145	163	166
20	N1, Floating Point (MFLOPS)		45.8	52.5	10.3	12.4	19.4	23.6	26.1	27.7	30.4	31.4	32.7	34.8	31	38.6	46.3	55.8	63	64
21	N2, Floating Point (MFLOPS)		36.4	41.5	8.02	9.6	9.3	11.1	12.3	12.8	14.4	14.8	15.3	16.3	19.8	24.7	29.8	35.5	39.7	40.3
22	N3, If Then Else (MOPS)		86.3	98.4	12.9	15.4	20.4	24.9	27.5	29.2	32.1	33.1	34.4	35.2	16.7	20.8	24.9	29.1	32.5	33.4
23	N4, Fixed Point (MOPS)		53.2	60.8	13	15.5	34.2	41.9	46.3	47.7	53.7	55.4	57.8	63	45.5	56.7	67.9	80.8	91.4	92.6
24	N5, Sine, Cosine (MOPS)		6.15	7.03	1.08	1.3	0.54	0.645	0.716	0.754	0.835	0.861	0.898	0.955	3.68	4.61	5.54	6.52	7.37	7.46
25	N6, Floating Point (MFLOPS)		23.9	27.3	5.4	6.49	4.89	5.87	6.52	6.85	7.59	7.82	8.14	8.69	11.2	14	16.9	19.7	22.1	22.5
26	N7, Assignments (MOPS)		44.1	50.4	10.8	13.1	20.6	24.6	27.2	28.6	31.6	32.5	33.8	36	23.5	29.6	35.1	41	46	46.7
27	N8, Exp, Sqrt, etc (MOPS)		4.05	4.63	0.7	0.842	0.342	0.409	0.453	0.476	0.529	0.546	0.567	0.604	1.68	2.1	2.52	2.95	3.32	3.37
Speedsys v4.78																				
28	Total Score		251	287	50.1	60.2	78.6	94.2	105	110	122	126	131	139	148	184	221	264	297	302
29	Video Memory Bandwidth (MB/s)		66.1	66.1	34.4	41.5	40.6	47.7	51.4	47.9	51.4	47.9	60	51.4	43.2	43.2	43.2	47.7	51.5	
30	System Memory Bandwidth (MB/s)		298	298	101	122	126	151	168	152	168	152	211	168	119	119	119	119	134	154
31	Max of Ave L1 Cache (MB/s)		1175	1342	118	141	159	168	186	219	210	208	196	236	500	621	741	859	966	978
32	Max of Ave L2 Cache (MB/s)		240	251	49.5	59.5	75	89.8	100	94.4	104	101	125	112	155	164	169	172	194	174
33	Max of Ave RAM Throughput (MB/s)		121	126	37.9	45.6	55.5	66.6	73.9	68.5	76	71.4	92.5	79.2	85.8	86.4	86.4	86.4	97.2	96
34	Ave L1 Cache (MB/s)		1175	1342	118	141	159	168	186	219	210	208	196	236	500	621	741	859	966	978
35	Ave L2 Cache (MB/s)		240	251	49.5	59.5	75	89.8	100	94.4	104	101	125	112	148	157	160	171	192	172
36	Ave RAM Cache (MB/s)		121	126	37.9	45.6	55.5	66.6	73.9	68.5	76	71.4	92.5	79.2	84.2	86.4	86.4	86.4	97.2	96
37	Max L1 Cache (MB/s)		1316	1503	163	196	287	274	303	399	344	338	365	506	504	628	751	874	983	996
38	Max L2 Cache (MB/s)		280	312	63.4	76.2	110	132	146	142	157	154	183	171	203	226	226	254	286	254
39	Max RAM Cache (MB/s)		178	192	63.6	76.4	69.4	83.3	92.5	87.2	96.8	91.6	116	102	113	119	119	119	134	135
40	MMX Ave L1 Cache (MB/s)		-	-	-	-	-	-	-	-	-	-	-	-	-	369	461	552	642	722
41	MMX Ave L2 Cache (MB/s)		-	-	-	-	-	-	-	-	-	-	-	-	-	155	164	169	172	194
42	MMX Ave RAM Cache (MB/s)		-	-	-	-	-	-	-	-	-	-	-	-	-	85.2	86.4	86.4	86.4	97.2
43	MMX Max L1 Cache (MB/s)		-	-	-	-	-	-	-	-	-	-	-	-	-	441	550	659	768	863
44	MMX Max L2 Cache (MB/s)		-	-	-	-	-	-	-	-	-	-	-	-	-	220	239	247	254	286
45	MMX Max RAM Cache (MB/s)		-	-	-	-	-	-	-	-	-	-	-	-	-	117	119	119	119	134
Caccheck v7.0																				
46	L1 Cache (MB/s)		1463	1673	137	165	302	377	415	438	483	488	514	542	548					

686 B
(RAW)

686 Benchmark Comparison

		CPU Type: AMD K6-2+ 600 MHz 2 100 / 6.0x AMD K6-2+ 133 MHz 2 66 / 2.0x AMD K6-2+ 350 MHz 2 75 / 4.0x AMD K6-2+ 400 MHz 3 100 / 3.5x AMD K6-2+ 400 MHz 3 100 / 4.0x AMD K6-2+ 450 MHz 3 100 / 4.5x AMD K6-2+ 500 MHz 3 100 / 5.0x AMD K6-2+ 550 MHz 3 100 / 5.5x AMD K6-2+ 600 MHz 3 100 / 6.0x AMD K6-3+ 133 MHz 2 66 / 2.0x AMD K6-3+ 300 MHz 2 75 / 4.0x AMD K6-3+ 333 MHz 2 83 / 4.0x AMD K6-3+ 500 MHz 2 83 / 6.0x AMD K6-3+ 500 MHz 2 100 / 3.5x AMD K6-3+ 500 MHz 2 66 / 6.0x AMD K6-3+ 400 MHz 1 100 / 4.0x AMD K6-3+ 450 MHz 1 100 / 4.5x AMD K6-3+ 500 MHz 3 83 / 6.0x																	
Operating Frequency:		600 MHz 2	133 MHz 2	350 MHz 2	400 MHz 3	400 MHz 3	450 MHz 3	500 MHz 3	550 MHz 3	600 MHz 3	133 MHz 2	300 MHz 2	333 MHz 2	500 MHz 2	350 MHz 2	400 MHz 2	400 MHz 2	450 MHz 2	500 MHz 3
FSB/Multiplier:		100 / 6.0x	66 / 2.0x	75 / 4.0x	100 / 3.5x	100 / 4.0x	100 / 4.5x	100 / 5.0x	100 / 5.5x	100 / 6.0x	66 / 2.0x	75 / 4.0x	83 / 4.0x	83 / 6.0x	100 / 3.5x	100 / 4.0x	100 / 4.5x	100 / 4.5x	83 / 6.0x
L1/2 Cache Type:		64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB
Model/S-pec:		550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR
CPUID (Type, Family, Model, Stepping):		550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR	550ACR
DQS 7.10																			
1	Symantec Sysinfo v8.0	-	790	-	-	-	-	-	-	-	790	-	-	-	-	-	-	-	-
2	PIDOS [79k digits] (sec.)	18.6	72	33	28	25	22	20	18	17	72	33	30	20	28	25	25	22	20
Landmark v2.0																			
3	Integer ALU (Mhz)	6166	1344	3023	3597	4111	4625	5138	5652	6166	1344	3023	3365	5047	3597	4110	4111	4625	5124
4	Floating-point FPU (Mhz)	9798	2129	4788	5715	6532	7349	8165	8982	9798	2129	4788	5330	7995	5715	6531	6532	7349	8143
5	Video (char/sec)	26600	19300	25200	26600	26600	26600	26600	26600	26600	19300	25200	32800	32800	26600	26600	26600	26600	21800
Bytemark v2, 32-bit DOS																			
6	Numeric Sort (iterations/sec)	266	62	141	164	188	211	234	258	279	61.7	145	155	232	156	187	179	211	233
7	String Sort (iterations/sec)	28.5	6.38	14.3	16.8	19.3	21.7	24.1	26.4	28.8	6.35	14.4	15.9	23.9	16.8	19.1	19.2	21.6	23.9
8	Bitfield (millions of iterations/sec)	56.2	12.4	28.1	32.8	37.6	42.2	47	51.7	56.4	12.5	28	31.2	46.8	32.8	37.6	37.5	42.3	46.9
9	FP Emulation (iterations/sec)	13.4	3.01	6.77	7.91	9.09	10.2	11.3	12.4	13.6	3.01	6.77	7.51	11.3	7.93	9.08	9.07	10.2	11.3
10	Fourier (iterations/sec)	5175	1150	2580	3021	3454	3885	4311	4739	5178	1150	2579	2876	4301	3026	3452	3454	3883	4302
11	Assignment (iterations/sec)	1.79	0.437	0.987	1.15	1.32	1.48	1.65	1.81	1.98	0.438	0.983	1.11	1.64	1.15	1.32	1.32	1.48	1.65
12	IDEA (iterations/sec)	564	124	281	329	375	422	470	516	563	124	280	312	497	328	375	375	422	467
13	Huffman (iterations/sec)	374	82.8	187	219	249	281	312	344	375	82.9	187	208	311	218	249	249	281	312
14	Neural Net (iterations/sec)	3.34	0.731	1.65	1.96	2.24	2.52	2.8	3.09	3.36	0.731	1.68	1.86	2.79	1.96	2.24	2.25	2.52	2.79
15	LU Decomposition (lter/sec)	107	31.9	71.5	83.7	97.2	106	119	130	141	31.9	71.6	118	83.5	94.5	95.2	108	118	118
16	Integer Index (% of Pentium 90)	854	193	436	510	584	656	730	802	874	193	438	485	726	507	583	579	657	727
17	Floating-point Index (% of P90)	595	145	325	383	440	490	545	599	653	145	327	364	544	383	436	437	493	543
Roy Longbottom Dhrystone v1.1																			
18	DHRY10D (VAX MIPS Rating)	972	237	530	621	709	804	891	981	1069	237	530	596	891	625	715	709	797	891
Roy Longbottom Whetstone																			
19	WHETCOD, MWIPS (MFLOPS)	381	84.4	190	222	254	286	318	349	381	84.3	190	211	317	223	254	254	286	317
20	N1, Floating Point (MFLOPS)	150	33.5	74.7	88.1	99.9	112	125	137	149	33.3	74.6	83.1	124	87.2	99.8	99.9	113	124
21	N2, Floating Point (MFLOPS)	94.1	20.7	46.6	54.9	62.9	70.9	78.9	87.1	94.8	20.9	47	52.3	78.7	55.4	62.8	63	70.1	78.7
22	N3, If Then Else (MOPS)	74.7	16.7	37.7	43.6	49.9	56.2	62.7	68.4	74.7	16.6	37.3	41.6	62.6	44.1	50.5	19.9	56.8	62.6
23	N4, Fixed Point (MOPS)	209	46.2	104	123	140	158	174	192	210	46.1	104	116	174	122	140	140	157	176
24	N5, Sine, Cosine (MOPS)	17.1	3.77	8.48	9.94	11.4	12.8	14.2	15.6	17.1	3.77	8.49	9.46	14.2	9.95	11.4	11.4	12.8	14.2
25	N6, Floating Point (MFLOPS)	52.4	11.6	26	30.5	34.8	39.2	43.6	47.9	52.2	11.6	26	28.9	43.4	30.5	34.8	34.8	39.2	43.4
26	N7, Assignments (MOPS)	107	23.6	52.9	61.9	70.6	79.6	88	97	107	23.5	52.8	58.8	88.6	62.3	70.6	70.8	79	87.9
27	N8, Exp, Sqrt, etc (MOPS)	7.66	1.69	3.81	4.47	5.11	5.74	6.38	7.02	7.65	1.69	3.81	4.24	6.37	4.46	5.11	5.1	5.74	6.39
Speedsys v4.78																			
28	Total Score	683	151	339	398	455	512	569	626	682	151	339	378	566	398	455	455	512	567
29	Video Memory Bandwidth (MB/s)	61	30.8	40.5	51.7	51.6	57.9	57.9	57.9	57.9	30.8	40.5	51.5	51.5	51.7	43.5	51.7	57.9	50.9
30	System Memory Bandwidth (MB/s)	263	144	169	242	242	252	252	252	252	144	190	188	211	252	168	242	252	209
31	Max of Ave L1 Cache (MB/s)	2730	630	1416	1641	1875	2109	2344	2578	2812	630	1416	1576	2364	1641	1875	1875	2109	2337
32	Max of Ave L2 Cache (MB/s)	304	388 / 168	871 / 209	1021 / 282	1167 / 282	1312 / 283	1458 / 295	1604 / 304	1749 / 305	388 / 168	871 / 209	1001 / 249	1054 / 252	1054 / 252	1166 / 203	1167 / 282	1312 / 283	1454 / 254
33	Max of Ave RAM Throughput (MB/s)	146	94.8	109	160	160	160	164	178	164	94.8	121	121	134	160	109	160	160	136
34	Ave L1 Cache (MB/s)	2187	507	1141	1336	1527	1718	1909	2099	2290	507	1140	1270	1904	1337	1527	1527	1718	1903
35	Ave L2 Cache (MB/s)	304	308 / 159	693 / 208	812 / 279	928 / 280	1044 / 281	1160 / 282	1276 / 304	1392 / 304	308 / 159	693 / 208	790 / 240	1157 / 252	811 / 279	928 / 203	928 / 280	1044 / 281	1157 / 253
36	Ave RAM Cache (MB/s)	146	93.2	109	160	160	160	160	178	164	93.2	120	121	134	160	109	160	160	136
37	Max L1 Cache (MB/s)	2185	507	1141	1337	1528	1718	1910	2100	2291	508	1141	1271	1909	1337	1528	1528	1719	1904
38	Max L2 Cache (MB/s)	473	340 / 254	765 / 327	897 / 439	1025 / 439	1153 / 439	1281 / 439	1409 / 473	1537 / 473	341 / 254	766 / 327	852 / 364	1278 / 392	897 / 438	1025 / 315	1025 / 439	1153 / 439	1277 / 393
39	Max RAM Cache (MB/s)	252	140	169	242	242	242	242	252	252	140	190	188	211	242	168	242	242	209
40	MMX Ave L1 Cache (MB/s)	2769	630	1416	1640	1875	2109	2344	2578	2812	630	1416	1576	2364	1641	1875	1875	2109	2337
41	MMX Ave L2 Cache (MB/s)	304	388 / 168	871 / 209	1021 / 282	1167 / 282	1312 / 283	1458 / 295	1604 / 304	1749 / 305	388 / 168	871 / 209	1001 / 249	1054 / 252	1054 / 252	1166 / 203	1167 / 282	1312 / 283	1454 / 254
42	MMX Ave RAM Cache (MB/s)	146	94.8	109	160	160	160	164	178	164	94.8	121	121	134	160	109	160	160	136
43	MMX Max L1 Cache (MB/s)	3247	741	1666	1950														

686 Ber
(BAW)

686 Benchmark Comparison

		CPU Type:		Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6
		Operating Frequency:	FSB/Multiplier:	133 MHz ²	166 MHz ²	200 MHz ²	233 MHz ²	262 MHz ²	300 MHz ^{2, C}	250 MHz ³	100 / 2.5x	75 / 3.5x	133 MHz / 256kb ³	150 MHz / 256kb ³	166 MHz / 256kb ³	180mhz / 256kb ³	200 MHz / 256kb ³	210 MHz / 256kb ³
		L1/2 Cache Type:	Model/S-spec:	66 / 2.0x 32KB-split SL275 0543	66 / 2.5x 32KB-split SL275 0543	66 / 3.0x 32KB-split SL275 0543	66 / 3.5x 32KB-split SL275 0543	75 / 3.5x 32KB-split SL275 0543	75 / 4.0x 32KB-split SL275 0543	100 / 2.5x 32KB-split SL275 0543	75 / 3.5x 32KB-split SL275 0543	100 / 3.0x 32KB-split SL275 0543	133 MHz / 256kb ³ 16KB-split WB SL227 0619	150 MHz / 256kb ³ 60 / 2.5x 16KB-split WB SL227 0619	166 MHz / 256kb ³ 66 / 2.5x 16KB-split WB SL227 0619	180mhz / 256kb ³ 60 / 3.0x 16KB-split WB SL227 0619	200 MHz / 256kb ³ 66 / 3.0x 16KB-split WB SL227 0619	210 MHz / 256kb ³ 60 / 3.5x 16KB-split WB SL227 0619
CPUID (Type, Family, Model, Stepping):																		
DOS 7.10																		
1	Symantec Sysinfo v8.0	452	565	678	791	889	1018	851	891	1021	333	375	416	449	499	524	582	
2	PiDOS (75k digits) (sec.)	124	101	85	74	66	58.3	68	65	56	103	92	83	77	69	66	60	
Landmark v2.0																		
3	Integer ALU (Mhz)	871	1089	1307	1525	1714	1962	1639	1718	1967	862	971	1078	1165	1294	1359	1509	
4	Floating-point FPU (Mhz)	2292	2865	3438	4000	4500	5147	4313	4520	5176	2061	2321	2588	2785	3106	3249	3624	
5	Video (char/sec)	26600	26600	26600	26600	29800	29800	26600	29800	26600	12100	10900	12100	12000	13300	12000	13300	
ByteMark v2, 32-bit DOS																		
6	Numeric Sort (iterations/sec)	65.2	80.2	95.5	109	122	139	120	123	144	58.5	65.9	73.5	79.2	88.2	92.2	103	
7	String Sort (iterations/sec)	3.41	4.3	5.43	6.26	6.9	8.06	6.81	6.91	7.91	3.03	3.48	3.82	4.13	4.61	4.82	5.39	
8	Bitfield (millions of iterations/sec)	8.63	10.8	12.9	15.1	17	19.4	16.2	17	19.5	14.6	16.6	18.37	19.8	22	23.1	25.8	
9	FP Emulation (iterations/sec)	2.97	3.73	4.47	5.2	5.86	6.7	5.6	5.87	6.74	2.4	2.71	3.01	3.25	3.61	3.8	4.22	
10	Fourier (iterations/sec)	1328	1660	1988	2320	2610	2985	2497	2611	2987	1411	1588	2762	1906	2113	2222	2466	
11	Assignment (iterations/sec)	0.4	0.488	0.583	0.666	0.743	0.857	0.731	0.74	0.875	0.846	0.95	1.05	1.14	1.27	1.32	1.47	
12	IDEA (iterations/sec)	109	135	162	188	211	241	204	211	245	114	128	142	153	170	179	199	
13	Huffman (iterations/sec)	54.6	67.8	81.1	94.3	106	121	102	106	122	81.4	91.7	102	110	122	128	142	
14	Neural Net (iterations/sec)	1.01	1.26	1.52	1.81	2.03	2.34	1.94	2.04	2.33	1.24	1.39	1.55	1.67	1.89	1.98	2.2	
15	LU Decomposition (iter/sec)	32.2	25.8	30.6	33.9	38.3	42.7	60	38.6	44.3	14.6	16.3	18.1	19.5	21.6	22.6	27.9	
16	Integer Index (% of Pentium 90)	154	191	231	267	298	342	290	299	346	185	209	231	250	278	292	325	
17	Floating-point Index (% of P90)	170	183	219	252	284	320	320	285	327	142	160	177	192	214	224	248	
Roy Longbottom Dhrystone v1.1																		
18	DHRY10D (VAX MIPS Rating)	223	263	302	339	379	422	381	361	434	244	176	307	331	365	385	428	
Roy Longbottom Whetstone																		
19	WHETCOD, MWIPS (MFLOPS)	89.1	111	134	155	175	200	167	175	201	108	122	135	146	162	171	189	
20	N1, Floating Point (MFLOPS)	36.2	45.4	54.1	63.1	71	81.1	68.2	71.6	81.3	33.5	37.8	42	45.3	50.3	52.9	58.3	
21	N2, Floating Point (MFLOPS)	22.9	28.4	34.4	40.1	45	51.6	43.2	45	51.6	29.4	33.2	36.8	40.2	44.4	46.4	52.5	
22	N3, If Then Else (MOPS)	31	38.5	46.2	53.9	60.6	69.3	57.5	61.1	69.1	13.8	15.5	17.2	18.6	20.6	21.7	24.1	
23	N4, Fixed Point (MOPS)	22.7	28.4	34	39.7	44.7	51.1	42.7	44.6	51.3	68	76	84.5	91	102	106	118	
24	N5, Sine, Cosine (MOPS)	3.42	4.26	5.1	5.86	6.69	7.59	6.4	6.72	7.68	3.04	3.42	3.8	4.1	4.56	4.8	5.32	
25	N6, Floating Point (MFLOPS)	13.54	16.9	20.3	23.7	26.6	30.5	25.5	26.7	30.6	21	23.6	26.2	28.4	31.5	33.1	39.7	
26	N7, Assignments (MOPS)	30.48	38.3	46.3	53.4	60.7	69.4	57.6	60.6	69.5	79	89.5	100	106	118	126	140	
27	N8, Exp, Sqrt, etc (MOPS)	2.03	2.53	3.03	3.53	3.95	4.52	3.79	3.96	4.55	1.9	2.14	2.37	2.56	2.83	2.98	3.31	
Speedsys v4.78																		
28	Total Score	99.5	124	149	174	196	224	187	196	225	138	155	172	186	207	217	241	
29	Video Memory Bandwidth (MB/s)	61	61	61	61	66	66	60.5	55.9	60.6	19.7	17.7	19.7	19.5	21.6	19.5	21.7	
30	System Memory Bandwidth (MB/s)	224	224	224	201	252	252	513	438	294	167	150	167	150	167	150	167	
31	Max of Ave L1 Cache (MB/s)	255	311	368	424	477	540	451	465	536	466	525	582	630	668	734	816	
32	Max of Ave L2 Cache (MB/s)	172	172	184	184	207	209	225	181	243	193	217	242	261	290	304	338	
33	Max of Ave RAM Throughput (MB/s)	128	128	130	123	146	146	147	114	152	76.5	72.2	80.1	74.9	83.1	74.9	83.2	
34	Ave L1 Cache (MB/s)	255	311	368	424	477	540	451	465	536	466	525	582	630	698	735	816	
35	Ave L2 Cache (MB/s)	108	113	126	130	146	153	153	134	172	193	217	242	261	290	304	338	
36	Ave RAM Cache (MB/s)	84	86	92	88	106	110	102	84	110	76	72.2	80.2	74.9	83.1	74.9	83.2	
37	Max L1 Cache (MB/s)	509	636	763	890	1001	1145	957	1003	1149	691	778	864	933	1036	1089	1209	
38	Max L2 Cache (MB/s)	127	127	157	170	191	208	192	192	237	272	306	340	367	408	429	476	
39	Max RAM Cache (MB/s)	85	93	107	102	127	132	139	126	160	85.5	83.1	92.2	91.1	101	91.2	101	
40	MMX Ave L1 Cache (MB/s)	210	248	286	325	365	407	339	340	396	-	-	-	-	-	-	-	
41	MMX Ave L2 Cache (MB/s)	172	172	184	184	207	209	225	182	243	-	-	-	-	-	-	-	
42	MMX Ave RAM Cache (MB/s)	128	128	130	133	146	150	147	114	152	-	-	-	-	-	-	-	
43	MMX Max L1 Cache (MB/s)	303	379	455	531	596	683	570	598	684	-	-	-	-	-	-	-	
44	MMX Max L2 Cache (MB/s)	220	220	247	247	277	288	333	279	372	-	-	-	-	-	-	-	
45	MMX Max RAM Cache (MB/s)	170	170	170	170	191	191	199	159	213	-	-	-	-	-	-	-	
Cachechk v7.0																		
46	L1 Cache (MB/s)	185	231	277	322	362	414	348	364	417	154	174	193	208	232	243	270	
47	L2 Cache (MB/s)	124	139	171	185	208	232	210	210	259	154	174	193	208	232	243	270	
48	Memory (MB/s)	93	101	117	111	139	144	152	138	175	88.6	90.8	101	99.5	111	99.6	111	
49	RAM Read Access Time (ns)	90	83	72	75	60	55	55	60	48	94	92	83	84	76	84	76	
50	RAM Write Access Time (ns)	90	90	90	90	80	80	101	136	101	89	100	89	100	90	100	89	
51	3Dbench v1.0c	127	142	154	164	184	196	166	157	177	118	119	132	136	151	146	162	
52	Doom v1.8s timedemo1 (fps)	75	82.6	89.2	93.3	103	109	99.3	103	105	58.7	57.9	64	63.5	68.6	65.6	71.1	
53	Pcgbench v1.04 (arb. units)	19.6	22.2	24.4	25.8	29	31.1	28.9	28.3	31.2	15.8	17.3	19.2	18.7	20.8	19.6	21.8	
[VESA Modus 100 (840x400 8bpp LFB)]																		
54	Quake v1.06 timedemo1 (fps)	13.6	15	16.1	16.7	18.7	20	17.7	1									

686 Benchmark Comparison

(RAW)	CPU Type: Operating Frequency: FSB/Multiplier: L1/2 Cache Type: Model/S-spec: CPUID (Type, Family, Model, Stepping):	Pentium Pro P6 133 MHz / 1 MB ⁵ 66 / 2.0x 16KB-split WB SL25A 0619	Pentium Pro P6 166 MHz / 1 MB ⁵ 66 / 2.5x 16KB-split WB SL26A 0619	Pentium Pro P6 200 MHz / 1MB ⁵ 66 / 3.0x 16KB-split WB SL25A 0619	Pentium Pro P6 233 MHz / 1MB ⁵ 66 / 3.5x 16KB-split WB SL25A 0619	Pentium II OD 300 MHz ⁴ 60 / 5.0x 32K L1 / 512K L2 SL35A 1632	Pentium II OD 333 MHz ⁴ 66 / 5.0x 32K L1 / 512K L2 SL35A 1632	Intel PII 133 MHz ⁴ 66 / 2.0x (5x) 32K L1 / 256K L2 SL269 0634	Intel PII 166 MHz ⁴ 66 / 2.5x 32K L1 / 256K L2 SL269 0634	Intel PII 200 MHz ⁴ 66 / 3.0x 32K L1 / 256K L2 SL269 0634	Intel PII 233 MHz ⁴ 66 / 3.5x 32K L1 / 512K L2 SL269 0634	Intel PII 266 MHz ⁴ 66 / 4.0x 32K L1 / 512K L2 SL269 0634	Intel PII 300 MHz ⁴ 100 / 3.0x 32K L1 / 512K L2 SL269 0634	Intel PII 350 MHz ⁴ 100/ 3.5x 32K L1 / 512K L2 SL269 0634	Intel PII 400 MHz ⁴ 100/ 4.0x 32K L1 / 512K L2 SL269 0634	Intel PII 500 MHz ⁴ 100/ 5.0x 32K L1 / 512K L2 SL35E 0673	Intel PII 550 MHz ⁴ 100/ 5.5x 32K L1 / 512K L2 SL35F 0673	
DOS 7.10																		
1	Symantec Sysinfo v8.0	333	416	499	582	749	832	335	418	502	586	669	756	882	-	-	-	-
2	PIDOS [75k digits] (sec.)	103	83	69	60	47	41	102	88	69	59	52	46	40	35	28	26	26
Landmark v2.0																		
3	Integer ALU (Mhz)	862	1078	1294	1509	1942	2156	867	1084	1301	1518	1735	1959	2286	2612	3266	3592	3592
4	Floating-point FPU (Mhz)	2061	2588	3106	2624	4806	5336	2392	2990	3588	4186	4785	5402	6303	7203	9004	9905	9905
5	Video (char/sec)	12100	12100	13300	13300	13500	13500	14900	14900	16900	16900	19300	25200	25200	25900	25900	25900	25900
ByteMark v2, 32-bit DOS																		
6	Numeric Sort (iterations/sec)	58.6	73.3	87.5	102	130	144	57.8	72.3	86.7	101	115	131	150	171	212	232	232
7	String Sort (iterations/sec)	3.05	3.82	4.6	5.38	8.65	9.58	3.85	4.8	5.81	6.75	7.65	8.72	10.2	11.6	14.6	16.1	16.1
8	Bitfield (millions of iterations/sec)	14.6	18.4	22.1	25.7	33.2	36.9	14.8	18.4	22.2	25.9	29.6	33.5	39	44.7	56.1	61.4	61.4
9	FP Emulation (iterations/sec)	2.4	3.01	3.61	4.21	5.45	6.01	2.43	3.02	3.64	4.24	4.79	5.48	6.41	7.31	9.16	10.1	10.1
10	Fourier (iterations/sec)	1414	1760	2112	2466	3363	3738	1500	1874	2250	2627	3003	3392	3960	4540	5650	6219	6219
11	Assignment (iterations/sec)	0.846	1.06	1.25	1.48	1.79	1.98	0.804	1.01	1.21	1.4	1.61	1.82	2.05	2.33	2.88	3.09	3.09
12	IDEA (iterations/sec)	114	142	170	198	256	285	114	143	171	199	229	257	301	344	430	472	472
13	Huffman (iterations/sec)	81.6	102	122	143	183	204	81.7	102	123	143	164	185	216	246	308	339	339
14	Neural Net (iterations/sec)	1.23	1.55	1.89	2.2	3.1	3.43	1.41	1.79	2.16	2.5	2.87	3.12	3.64	4.16	5.58	6.13	6.13
15	LU Decomposition (lter/sec)	14.7	18.3	21.5	25.1	96.4	108	48.9	61	72.2	82.7	95.2	107	117	132	157	164	164
16	Integer Index (% of Pentium 90)	185	232	277	324	426	473	190	238	286	333	380	431	499	570	711	778	778
17	Floating-point Index (% of P90)	142	178	213	249	484	538	227	285	341	395	453	505	575	656	823	891	891
Roy Longbottom Dhrystone v1.1																		
18	DHRY10D (VAX MIPS Rating)	243	304	364	428	540	597	240	302	361	422	484	544	638	725	891	1016	1016
Roy Longbottom Whetstone																		
19	WHETCOD, MWIPS (MFLOPS)	108	135	162	189	244	271	109	137	164	191	218	246	288	327	410	452	452
20	N1, Floating Point (MFLOPS)	33.6	41.7	50.3	51.6	75.5	84.3	33.9	41.9	51	58.8	67.4	76.3	88.5	102	128	140	140
21	N2, Floating Point (MFLOPS)	29.3	37.3	44.6	51.9	67	73.2	29.5	37.5	44.1	52.5	59.6	66.8	78.9	89.4	111	123	123
22	N3, If Then Else (MOPS)	13.8	17.1	20.6	24.1	30.9	34.5	13.9	17.2	20.8	24.1	27.7	31.3	36.7	41.5	52.2	57.6	57.6
23	N4, Fixed Point (MOPS)	68	84.7	101	119	152	170	68.5	85.8	102	119	137	153	179	205	257	281	281
24	N5, Sine, Cosine (MOPS)	30.4	3.8	4.56	5.32	6.89	7.63	3.08	3.84	4.61	5.38	6.15	6.95	8.1	9.28	11.5	12.7	12.7
25	N6, Floating Point (MFLOPS)	21	26.2	31.4	36.7	47.3	52.5	21.1	26.4	31.6	36.9	42.3	47.7	55.6	62.7	79.5	87.5	87.5
26	N7, Assignments (MOPS)	80.6	100	120	138	180	199	80.2	98.7	122	141	159	177	209	243	299	330	330
27	N8, Exp, Sqrt, etc (MOPS)	189	236	283	2.83	3.3	4.26	1.92	2.39	2.86	3.34	3.82	4.31	5.02	5.73	7.16	7.89	7.89
Speedsys v4.78																		
28	Total Score	138	172	201	241	340	374	152	190	228	266	304	344	401	458	574	632	632
29	Video Memory Bandwidth (MB/s)	19.7	19.7	21.7	21.7	21.6	23.2	24.2	24.2	27.2	27.2	31.1	41	41	46.4	51.7	51.7	51.7
30	System Memory Bandwidth (MB/s)	666	832	999	1164	150	167	205	256	306	331	364	458	429	472	547	561	561
31	Max of Ave L1 Cache (MB/s)	466	583	699	816	1139	1265	503	629	754	880	1006	1136	1341	1534	1903	2109	2109
32	Max of Ave L2 Cache (MB/s)	190	238	285	333	399	444	198	248	295	341	399	452	508	562	676	712	712
33	Max of Ave RAM Throughput (MB/s)	76.2	80.1	83.2	83.2	83.6	92.8	119	146	175	195	216	255	246	260	285	290	290
34	Ave L1 Cache (MB/s)	466	583	699	816	1139	1265	503	629	754	880	1006	1136	1341	1532	1903	2109	2109
35	Ave L2 Cache (MB/s)	190	228	285	333	279	310	123	154	185	216	247	278	295	330	417	429	429
36	Ave RAM Cache (MB/s)	76.2	80.1	83.2	83.2	71	78.8	78.5	91.4	107	118	132	155	162	173	190	191	191
37	Max L1 Cache (MB/s)	691	864	1036	1209	1634	1813	730	912	1095	1277	1460	1648	1923	2198	2746	3020	3020
38	Max L2 Cache (MB/s)	272	340	408	475	296	329	128	160	192	225	257	290	300	343	454	515	515
39	Max RAM Cache (MB/s)	85.1	92.1	101	101	95.9	106	84.9	92.5	109	127	145	164	179	204	246	241	241
40	MMX Ave L1 Cache (MB/s)	-	-	-	-	724	804	324	405	485	566	647	731	853	974	1218	1340	1340
41	MMX Ave L2 Cache (MB/s)	-	-	-	-	399	444	198	248	295	341	399	452	508	562	676	712	712
42	MMX Ave RAM Cache (MB/s)	-	-	-	-	83.6	92.8	119	146	175	195	216	255	246	260	285	290	290
43	MMX Max L1 Cache (MB/s)	-	-	-	-	856	951	385	478	574	669	765	864	1008	1152	1439	1584	1584
44	MMX Max L2 Cache (MB/s)	-	-	-	-	653	726	353	441	522	600	714	810	923	1033	1225	1335	1335
45	MMX Max RAM Cache (MB/s)	-	-	-	-	150	167	205	257	306	331	364	458	429	472	547	561	561
Cachecbk v7.0																		
46	L1 Cache (MB/s)	149	186	223	261	359	399	140	175	210	245	280	317	423	483	616	678	678
47	L2 Cache (MB/s)	149	186	223	261	324	359	140	175	210	245	280	317	311	356	496	562	562
48	Memory (MB/s)	88.1	101	111	111	105	116	92.7	101	111	118	1248						

686 Benchmark Comparison (RAW)																	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	
CPU Type:																	Intel PIII - Kat	Intel PIII - Cop	Celeron	Celeron	Celeron	Pentium II Xeon	Pentium II Xeon	Pentium II Xeon	Pentium II Xeon	Pentium III Xeon	Pentium III Xeon	Winchip C6	Winchip C6	Winchip2	Winchip2	Winchip2	
Operating Frequency:																	600 MHz ⁴	600 MHz ⁴	300 MHz ⁴	400 MHz ⁴	450 MHz ⁴	400 MHz / 512kb ¹⁰	450 MHz / 512kb ¹⁰	400 MHz / 2048kb ¹⁰	450 MHz / 2048kb ¹⁰	500 MHz / 512kb ¹⁰	550 MHz / 512kb ¹⁰	133 MHz ²	200 MHz ²	133 MHz ²	133 MHz ²	166 MHz ²	
FSB/Multiplier:																	100/ 6.0x	100/ 6.0x	66/ 4.5x	66/ 4.5x	100/ 4.5x	100/ 4.0x	100/ 4.0x	100/ 4.0x	100/ 4.5x	100/ 5.0x	100/ 5.0x	66/ 2.0x	66/ 3.0x	66/ 2.0x	66/ 2.0x	66/ 2.5x	
L1/2 Cache Type:																	32k L1 / 512k L2	32k L1 / 256k L2	32k L1 / 128k L2	32k L1 / 128k L2	32k L1 / 128k L2	32KB-split WB	32KB-split WB	32KB-split WB	32KB-split WB	32KB-split WB	32KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	
Model/S-spec:																	SL3JM 0673	SL44Y 0683	SL3ZA 0660	SL3ZA 0660	SL3ZA 0660	SL2XJ 0653	SL2XJ 0653	SL2XJ 0653	SL2XJ 0653	SL3JM 0673	SL3JM 0673	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	
CPUID (Type, Family, Model, Stepping):																												PSME200GA 0541	PSME200GA 0541	W2A 0587	W2A 0587	W2A 0587	
DOS 7.10																																	
1	Symantec Sysinfo v8.0																	-	-	753	1004	1133	1003	1128	1003	1128	1254	1379	289	432	289	289	360
2	PIDOS [75k digits] (sec.)																	24	24	46	35	31	35	32	35	31	29	26	150	102	142	138	113
Landmark v2.0																																	
3	Integer ALU (Mhz)																	3919	3919	1952	2603	2939	2601	2926	2601	2926	3251	3576	549	824	631	631	786
4	Floating-point FPU (Mhz)																	10805	10714	5383	7178	8104	6435	7207	6435	7207	8008	8808	133	1699	1242	1242	1547
5	Video (char/sec)																	25900	25900	19300	19300	25900	22300	22300	22300	22300	25200	25200	26600	26600	19700	26600	26600
Bytemark v2, 32-bit DOS																																	
6	Numeric Sort (iterations/sec)																	252	273	134	179	201	179	195	173	195	215	236	36.4	54.2	37.8	37.8	47.1
7	String Sort (iterations/sec)																	17.4	17.6	8.68	11.6	13.1	11.6	13	11.6	13.1	14.5	16	3	4.45	3.16	3.16	3.9
8	Bitfield (millions of iterations/sec)																	67	67	33.5	44.7	50.5	44.6	50.1	44.4	50	55.7	61.3	5.51	8.28	7.01	7.01	8.74
9	FP Emulation (iterations/sec)																	11	11	5.46	7.29	8.23	7.28	8.21	7.27	8.17	9.1	10	2.31	3.46	2.6	2.6	3.24
10	Fourier (iterations/sec)																	6772	6757	3386	4512	5092	4501	5077	4512	5067	5615	6186	411	616	523	523	653
11	Assignment (iterations/sec)																	3.37	3.86	1.89	2.52	2.85	2.46	2.7	2.39	2.69	2.95	3.25	0.24	0.356	0.347	0.347	0.431
12	IDEA (iterations/sec)																	516	515	257	343	386	342	385	342	385	428	470	67.2	100	93.3	93.3	116
13	Huffman (iterations/sec)																	370	371	182	246	278	245	276	245	277	307	337	39.3	59	55.2	55.2	68.8
14	Neural Net (iterations/sec)																	6.62	6.61	3.23	4.15	4.69	4.15	4.99	4.15	4.98	5.2	6.04	0.306	0.46	0.653	0.653	0.813
15	LU Decomposition (Iter/sec)																	177	-	118	152	174	145	153	139	153	164	183	14.2	20.7	23.9	25.3	30.2
16	Integer Index (% of Pentium 90)																	848	882 ^C	433	579	654	576	643	571	643	712	784	104	156	129	129	160
17	Floating-point Index (% of P90)																	965	965 ^C	527	685	777	674	759	665	759	816	918	58.6	87.2	97.3	99	122
Roy Longbottom Dhrystone v1.1																																	
DHRV100 (VAX MIPS Rating)																	1113	1128	552	740	835	725	813	720	813	926	1011	155	230	158	158	198	
Roy Longbottom Whetstone																																	
19	WHETCOD, MWIPS (MFLOPS)																	492	493	246	327	370	327	368	327	368	408	449	27.3	41	48.7	48.7	60.7
20	N1, Floating Point (MFLOPS)																	152	154	76.2	101	115	101	114	102	114	127	139	11.3	17.1	29.4	29.7	37
21	N2, Floating Point (MFLOPS)																	135	135	66.7	89.5	101	89.4	100	89.3	101	112	123	8.33	12.4	20.5	20.5	25.2
22	N3, If Then Else (MOPS)																	62.2	62.1	31	41.6	46.9	41.7	46.8	41.4	46.5	51.6	56.7	19	28.7	20.8	20.9	26.2
23	N4, Fixed Point (MOPS)																	310	309	155	203	231	202	230	228	256	281	12.5	18.7	31.1	31.1	38.6	
24	N5, Sine, Cosine (MOPS)																	13.8	13.9	6.91	9.23	10.4	9.22	10.4	9.22	10.4	11.4	12.6	0.686	1.03	1.12	1.12	1.39
25	N6, Floating Point (MFLOPS)																	95.3	95.3	47.4	63.4	71.5	63.3	71.3	63.3	71.2	79	87	5.25	7.88	12.5	12.5	15.6
26	N7, Assignments (MOPS)																	368	367	182	239	272	243	270	238	271	300	330	11.5	17.3	25.2	25.2	31.2
27	N8, Exp, Sqrt, etc (MOPS)																	8.59	8.59	4.29	5.71	6.44	5.7	6.41	5.71	6.4	7.14	7.84	0.48	0.719	0.64	0.64	0.798
Speedsys v4.78																																	
28	Total Score																	689	688	342	451	515	455	512	455	512	570	627	87.1	131	103	103	129
29	Video Memory Bandwidth (MB/s)																	51.7	51.7	31.1	31.1	46.4	36.3	36.3	36.3	36.1	40.8	60.9	50	60.9	50	60.9	60.9
30	System Memory Bandwidth (MB/s)																	609	760	490	508	730	581	610	1966	2212	610	675	156	168	122	145	162
31	Max of Ave L1 Cache (MB/s)																	2301	2301	1145	1527	1724	1526	1716	1526	1717	1895	2084	193	278	253	266	319
32	Max of Ave L2 Cache (MB/s)																	762	1307	625	826	934	611	663	611	560	711	773	123	156	120	141	157
33	Max of Ave RAM Throughput (MB/s)																	305	356	247	270	309	308	324	308	326	324	333	97.1	117	88.9	116	117
34	Ave L1 Cache (MB/s)																	2301	2302	1145	1527	1724	1526	1716	1526	1717	1895	2084	143	202	246	253	309
35	Ave L2 Cache (MB/s)																	466	1156	451	607	688	372	434	376	424	458	506	103	131	92.6	107	116
36	Ave RAM Cache (MB/s)																	208	227	165	174	218	168	167	168	168	168	168	88.7	108	65	80	83.9
37	Max L1 Cache (MB/s)																	3295	3293	1643	2190	2472	2188	2461	2188	2462	2732	3005	163	245	511	511	637
38	Max L2 Cache (MB/s)																	562	1543	577	769	869	411	446	396	446	488	537	139	169	153	171	185
39	Max RAM Cache (MB/s)																	263	309	205	206	309	184	181	182	182	181	183	140	170	84.6	101	107
40	MMX Ave L1 Cache (MB/s)																	1461	1461	728	971	1096	970	1091	970	1091	1212	1334	193	278	253	266	319
41	MMX Ave L2 Cache (MB/s)																	762	1306	625	826	934	611	663	611	560	711	773	123	156	120	150	157
42	MMX Ave RAM Cache (MB/s)																	305	356	247	270	309	308	324	308	326	324	333	97.1	117	88.9	115	117
43	MMX Max L1 Cache (MB/s)																	1727	1727	861	1148	1296	1146	1290	1146	1290	1433	1577	292	438	410	410	511
44	MMX Max L2 Cache (MB/s)																	1411	1545	840	1101	1250	1119	1136	800	860	1242	1333	157	209	157	192	204
45	MMX Max RAM Cache (MB/s)																	609	760	443	508	620	579	610	556	610	609	645	136	170	128	170	170
Cachecrk v7.0																																	
46	L1 Cache (MB/s)																	740	740	342	456	515	481	541	481	541	614	675	140	209	560	560	698
47	L2 Cache (MB/s)																	614	703	342	456	515	434	488	434	488	533	587	106	148	167	187	202
48	Memory (MB/s)																	223	239	148	178	209	153	153	153	153	153	153	76.7	96.6	92.5	113	117
49	RAM Read Access Time (ns)																	37	35	56	47	40	55	55	55	55	55	55	109	87	90	75	72
50	RAM Write Access Time (ns)																	28	20	34	31	24	40	36	41	36	34	34	55	45	120	91	90
51	3Dbench v1.0c																	348	355	224	251	220	274	286	274	287	322	333	119	160	105	120	134
52	Doom v1.9s timedemo1 (fps)																	112	113	90.8	96.4	106	103	105	103	105	108	109	47.1	61.4	46.4	52.8	58.8
53	Pcpbench v1.04 (arb. units)																	41.7	41.2	27.9	30.3	37.1	34.8	35.7	34.9	36	38.5	39.3	13.5	18.5	15.2	17.3	19.4
[VESA Modus 100 (640x400 8bpp LFB)]																																	
54	Quake v1.06 timedemo1 (fps)																	22.1	22.2	16.2	17.8	20.6	19.3	19.9	19.9	20.5	20.9	20.8	7.9	11.2	9.5	10.8	12.1
[640x480, full screen, console off]																																	
WINDOWS 98SE																																	
SuperPi v1.1 [128k digits] (sec.)																	20.2	19.5	39.1	31.9	27.4	27.5	24.5	26.1	23.2	22.21	20.2	169	119	147	137	116	
Ziff-Davis Winbench96																																	
56	CPUMark32 v1.0																	1460	1690	654	781	931	1160	1250	1130	1270	1370	1530	274	372	284	315	361
57	Graphics WinMark v1.0																	108	115	69.9	87.2	97.7	94.2	99	92.7	101	107	111	34.3	47.7	34.9	39.3	44.1
Ziff-Davis Winbench99																																	
58	CPUMark99 Stand-alone v1.0																	44.5	56	25.8	32.5	37.7	35.4	38.2	36	40.5	41.6	45.5	9.77	13.2	9.12	10.5	11.7
59	FPU WinMark99 v1.1																	3060	3200	1600	2140	2420	2090	2340	2080	2340	2580	2840	215	323	394	395	492
Ziff-Davis 3D Winbench97																																	
60	3D Winmark v1.0																	398	411	227	264	295	271	273	272	273	379	391	47	67.9	115	126	147
WinTune98 (2x)																																	

68.6 Benchmark Comparison

		CPU Type:	Winchip2 200 MHz ² 66/ 3.0x 64KB-split WB W2A 0587	Winchip2 225 MHz ² 75/ 3.0x 64KB-split WB W2A 0587	Winchip2 233 MHz ² 66/ 3.5x 64KB-split WB W2A 0587	Winchip2 240 MHz ² 60/ 4.0x 64KB-split WB W2A 0587	Winchip2 250 MHz ² 83/ 3.0x 64KB-split WB W2A 0587	Winchip2 262 MHz ² 75/ 3.5x 64KB-split WB W2A 0587	Winchip2 233 MHz ³ 100/ 2.33x 64KB-split WB W2A 0587	Winchip2 250 MHz ³ 100/ 2.5x 64KB-split WB W2A 0587	Rise mP6 133 MHz ² 66/ 2.0x 16KB-split WB mP6-266 0504	Rise mP6 166 MHz ² 66/ 2.5x 16KB-split WB mP6-266 0504	Rise mP6 ² 166 MHz ² 83/ 2.0x 16KB-split WB mP6-266 0504	Rise mP6 200 MHz ² 66/ 3.0x 16KB-split WB mP6-266 0504	Rise mP6 208 MHz ² 83/ 2.5x 16KB-split WB mP6-266 0504	Rise mP6 233 MHz ^{2, C} 66/ 3.5x 16KB-split WB mP6-266 0504	Rise mP6 200 MHz ³ 100/ 2.0x 16KB-split WB mP6-266 0504	VIA C3 Samuel 550 MHz ⁶ 100 / 5.5x 128K-split L1 Step. 2, Rev. CSA 0662	VIA C3 Samuel 600 MHz ⁶ 100 / 6.0x 128K-split L1 Step. 2, Rev. CSA 0662
CPUID (Type, Family, Model, Stepping):																			
DOS 7.10																			
1	Symantec Sysinfo v8.0		432	485	503	519	540	566	505	541	703	879	880	1055	1100	1230	1058	1138	1242
2	PIDOS [75k digits] (sec.)		95	85	83	81	77	74	81	76	70	58	57	50	47	44	47	38	35
Landmark v2.0																			
3	Integer ALU (Mhz)		943	1060	1100	1133	1180	1237	1112	1191	2318	2898	2901	3477	3626	4057	3490	2279	2486
4	Floating-point FPU (Mhz)		1856	2087	2166	2231	2323	2435	2167	2322	2829	3536	3540	4244	4425	4951	4303	1612	1759
5	Video (char/sec)		26600	29800	26600	23400	32800	29800	26600	26600	22300	22300	28100	25900	28100	25900	26600	11200	11200
Bytemark v2, 32-bit DOS																			
6	Numeric Sort (iterations/sec)		56.1	63	65.6	67.1	70.2	73.3	66.3	69.7	53.7	65.6	67.3	76.6	81.7	88.1	81	113	123
7	String Sort (iterations/sec)		4.79	5.39	5.59	5.75	6	6.3	5.6	6.01	7.33	8.78	9.28	10	11	11.4	11.1	7.46	8.11
8	Bitfield (millions of iterations/sec)		10.5	11.8	12.2	12.6	13.1	13.7	12.3	13.2	13.7	17.1	17.1	20.5	21.4	23.9	20.6	22.2	24.3
9	FP Emulation (iterations/sec)		3.91	11.36	4.53	4.67	4.86	5.1	4.55	4.87	4.6	5.73	5.76	6.88	7.18	8	6.91	7.54	8.24
10	Fourier (iterations/sec)		783	881	915	942	979	1026	917	981	1264	1581	1584	1898	1977	2212	1902	1072	1169
11	Assignment (iterations/sec)		0.518	0.579	0.594	0.61	0.645	0.671	0.609	0.65	0.506	0.606	0.631	0.718	0.76	0.829	0.762	1.05	1.16
12	IDEA (iterations/sec)		139	157	163	167	174	183	163	175	187	233	234	279	291	325	281	316	345
13	Huffman (iterations/sec)		82.6	92.7	96.2	99.2	103	108	96.6	104	67.7	84.3	84.6	101	106	117	102	157	171
14	Neural Net (iterations/sec)		0.977	1.1	1.14	1.17	1.23	1.28	1.14	1.23	0.825	1.01	1.03	1.2	1.26	1.39	1.24	1.22	1.33
15	LU Decomposition (iter/sec)		35.2	39.9	40.1	41	44.2	45.1	42.6	45.4	32.9	39.3	39.4	44.7	49.3	50.7	50	38.8	43
16	Integer Index (% of Pentium 90)		193	216	224	231	241	252	226	242	219	269	274	318	336	367	330	379	414
17	Floating-point Index (% of P90)		145	164	168	172	182	189	172	183	157	192	194	225	241	259	237	179	196
Roy Longbottom Dhrystone v1.1																			
18	DHRY10D (VAX MIPS Rating)		259	259	302	307	289	296	281	325	227	265	286	316	335	345	342	457	495
Roy Longbottom Whetstone																			
19	WHETCOD, MWIPS (MFLOPS)		72.8	81.9	85	87.5	91.2	95.5	85.3	91.4	79.1	98.8	60.3	119	124	138	118	96.9	106
20	N1, Floating Point (MFLOPS)		44.2	49.7	51.5	53.4	55.5	58	51.6	55.5	33.8	42	26.4	50.7	52.8	58.8	51.3	52.7	58.7
21	N2, Floating Point (MFLOPS)		30.4	34.2	35.5	36.8	38.2	39.8	36	38.1	19.6	24.7	24.8	29.7	30.6	34.5	29.4	38.7	41.7
22	N3, If Then Else (MOPS)		31.6	35.4	36.8	37.2	39.7	41.4	36.7	39.7	44.5	54.6	56.2	65.8	70.7	76.5	67.6	78.6	86.8
23	N4, Fixed Point (MOPS)		46.4	51.7	54.1	55.5	57.6	60.3	53.9	57.7	32.3	40.4	40.3	48.4	50.3	56.2	44	82.5	90.5
24	N5, Sine, Cosine (MOPS)		1.67	1.88	1.95	2.01	2.1	2.2	1.96	2.1	3.41	4.25	3.95	5.12	5.32	5.96	5.13	2.25	2.45
25	N6, Floating Point (MFLOPS)		18.7	21	21.8	22.5	23.4	24.6	21.2	23.5	11.4	14.3	5.35	17.1	17.8	20	17.17	22	24
26	N7, Assignments (MOPS)		37.3	41.9	43.5	45	46.8	48.9	43.4	47.6	21.1	26.4	26.1	31.8	32.8	36.9	31.5	63.6	69.8
27	N8, Exp, Sqrt, etc (MOPS)		0.958	1.08	1.12	1.15	1.2	1.26	1.12	1.2	1.41	1.76	1.77	2.11	2.21	2.46	2.12	1.25	1.36
Speedsys v4.78																			
28	Total Score		154	173	180	185	193	202	181	194	181	226	226	271	283	317	272	274	299
29	Video Memory Bandwidth (MB/s)		60.9	65.6	60.9	56.8	70.1	65.6	60.5	60.5	36.8	36.8	45.8	44.3	45.8	44.3	52.2	18.1	18.1
30	System Memory Bandwidth (MB/s)		168	190	191	172	211	214	456	456	119	119	149	119	149	119	209	217	230
31	Max of Ave L1 Cache (MB/s)		371	418	424	430	465	477	444	473	353	438	442	526	548	610	532	901	980
32	Max of Ave L2 Cache (MB/s)		171	192	172	158	213	194	194	202	151	151	189	169	189	169	229	-	-
33	Max of Ave RAM Throughput (MB/s)		119	134	120	108	150	135	142	145	94.6	94.6	118	101	118	101	151	124	126
34	Ave L1 Cache (MB/s)		365	410	421	430	456	473	444	473	353	438	442	526	548	610	532	901	980
35	Ave L2 Cache (MB/s)		133	150	134	131	167	151	182	183	125	125	156	134	156	141	188	-	-
36	Ave RAM Cache (MB/s)		89.9	101	90.7	82.4	113	102	138	139	76	76	95.1	80.9	95.1	83.1	121	103	109
37	Max L1 Cache (MB/s)		765	859	892	919	956	1003	895	959	508	635	636	762	795	889	765	2109	2299
38	Max L2 Cache (MB/s)		226	254	226	229	283	254	280	280	185	185	232	203	232	226	280	-	-
39	Max RAM Cache (MB/s)		119	134	119	107.5	149	134	178	178	107	107	134	113	134	119	178	170	179
40	MMX Ave L1 Cache (MB/s)		371	418	424	430	465	477	419	446	272	333	340	399	416	460	410	841	915
41	MMX Ave L2 Cache (MB/s)		171	192	172	158	213	194	194	202	151	151	189	169	189	169	229	-	-
42	MMX Ave RAM Cache (MB/s)		119	134	120	108	150	135	142	145	94.6	94.6	118	101	118	101	151	124	126
43	MMX Max L1 Cache (MB/s)		613	689	715	737	767	804	718	769	482	602	603	723	753	843	725	1571	1714
44	MMX Max L2 Cache (MB/s)		239	269	239	222	300	269	293	308	220	245	275	254	275	254	333	-	-
45	MMX Max RAM Cache (MB/s)		170	191	170	153	213	191	184	190	117	117	147	119	147	119	199	177	189
Cachechk v7.0																			
46	L1 Cache (MB/s)		837	941	977	1006	1048	1098	980	1050	558	697	698	836	872	976	840		

686 Benchmark Comparison
(RAW)

886 Benchmark Comparison (RAW)		173	174	175	176	177
CPU Type: Operating Frequency: FSB/Multiplier: L1/2 Cache Type: Model/S-spec: CPUID (Type, Family, Model, Stepping):		VIA C3 Samuel-2 600 MHz ⁶ 100 / 6.0x 128k-split L1 / 64k L2 Step. 3, Rev. C5B 0673	VIA C3 Ezra 600 MHz ⁶ 100 / 6.0x 128k-split L1 / 64k L2 Step. 8, Rev. C5C 0678	VIA C3 Nehemiah 600 MHz ⁵ 100 / 6.0x 128k-split L1 / 64k L2 Step. 8, Rev. C5P 0698	VIA C3 Nehemiah 400 MHz ⁵ 66 / 6.0x 128k-split L1 / 64k L2 Step. 8, Rev. C5P 0698	VIA C3 Nehemiah 600 MHz ⁵ 66 / 9.0x 128k-split L1 / 64k L2 Step. A, Rev. C5P 069A
DOS 7.10						
1	Symantec Sysinfo v8.0	-	-	-	791	-
2	PiDOS [75k digits] (sec.)	33	35	31	45	31
Landmark v2.0						
3	Integer ALU (Mhz)	2473	2941	2310	1528	6019
4	Floating-point FPU (Mhz)	1565	1565	1694	1120	1694
5	Video (char/sec)	11200	11200	15600	10300	11170
Bytemark v2, 32-bit DOS						
6	Numeric Sort (iterations/sec)	126	131	152	101	150
7	String Sort (iterations/sec)	9.07	9.34	14.1	9.28	13.8
8	Bitfield (millions of iterations/sec)	26.9	26.9	33	21.9	32.8
9	FP Emulation (iterations/sec)	8.69	8.81	9.65	6.39	9.61
10	Fourier (iterations/sec)	1159	1159	1116	738	1109
11	Assignment (iterations/sec)	1.24	1.05	1.47	0.977	1.46
12	IDEA (iterations/sec)	358	347	388	257	385
13	Huffman (iterations/sec)	170	163	175	116	194
14	Neural Net (iterations/sec)	1.63	1.64	1.87	1.22	1.85
15	LU Decomposition (Iter/sec)	92.6	94.3	121	81	119
16	Integer Index (% of Pentium 90)	437	428	521	345	524
17	Floating-point Index (% of P90)	271	273	306	202	302
Roy Longbottom Dhrystone v1.1						
18	DHRV10D (VAX MIPS Rating)	445	597	758	499	760
Roy Longbottom Whetstone						
19	WHETCOD, MWIPS (MFLOPS)	101	99.8	110	72.8	109
20	N1, Floating Point (MFLOPS)	60.8	61.5	69.9	45.7	67.6
21	N2, Floating Point (MFLOPS)	44.2	44.6	57.3	37.2	57.8
22	N3, If Then Else (MOPS)	79.2	88.7	99	68.7	96.2
23	N4, Fixed Point (MOPS)	79.3	71.6	109	72.3	109
24	N5, Sine, Cosine (MOPS)	2.43	2.41	2.36	1.56	2.35
25	N6, Floating Point (MFLOPS)	23.1	23.1	35.6	23.6	35.4
26	N7, Assignments (MOPS)	40	40.9	72.6	48.2	71.5
27	N8, Exp, Sqrt, etc (MOPS)	1.31	1.29	1.19	0.785	1.18
Speedsys v4.78						
28	Total Score	313	317	412	273	417
29	Video Memory Bandwidth (MB/s)	18.1	18.1	25.3	16.7	18.1
30	System Memory Bandwidth (MB/s)	203	203	525	371	397
31	Max of Ave L1 Cache (MB/s)	986	986	1935	1280	1920
32	Max of Ave L2 Cache (MB/s)	225	221	698	462	692
33	Max of Ave RAM Throughput (MB/s)	144	144	183	131	147
34	Ave L1 Cache (MB/s)	986	986	1935	1280	1920
35	Ave L2 Cache (MB/s)	186	174	600	397	595
36	Ave RAM Cache (MB/s)	116	116	166	122	131
37	Max L1 Cache (MB/s)	2300	2300	2321	1536	2303
38	Max L2 Cache (MB/s)	273	273	743	491	737
39	Max RAM Cache (MB/s)	179	179	181	128	142
40	MMX Ave L1 Cache (MB/s)	966	970	1610	1065	1598
41	MMX Ave L2 Cache (MB/s)	225	221	698	462	692
42	MMX Ave RAM Cache (MB/s)	144	144	183	131	147
43	MMX Max L1 Cache (MB/s)	1799	1799	1906	1261	1891
44	MMX Max L2 Cache (MB/s)	280	280	731	483	725
45	MMX Max RAM Cache (MB/s)	194	194	234	165	185
Cachechk v7.0						
46	L1 Cache (MB/s)	2519	2519	2541	1681	2522
47	L2 Cache (MB/s)	298	298	635	420	630
48	Memory (MB/s)	196	196	198	139	148
49	RAM Read Access Time (ns)	43	43	42	60	56
50	RAM Write Access Time (ns)	20	120	44	60	53
51	3Dbench v1.0c	166	166	230	152	-
52	Doom v1.9s timedemo1 (fps)	71.6	71.6	96	67.2	78.7
53	Pcpbench v1.04 (arb. units)	19.9	19.8	26.7	17.7	20.3
[VESAs Modus 100 (640x400 80pp LFB)]						
54	Quake v1.06 timedemo1 (fps)	11.5	11.5	15.2	10.2	11.6
[640x480, full screen, console off]						
WINDOWS 98SE						
55	SuperPI v1.1 [128k digits] (sec.)	113	112	84.1	126	87
Ziff-Davis Winbench96						
56	CPU-Mark32 v1.0	1060	1090	1110	750	1020
57	Graphics WinMark v1.0	107	111	110	83.6	108
Ziff-Davis Winbench99						
58	CPU-Mark99 Stand-alone v1.0	35.5	36.2	41.1	27.2	38.8
59	FPU WinMark99 v1.1	1170	1170	1340	884	1320
Ziff-Davis 3D Winbench97						
60	3D Winmark v1.0	364	375	275	185	265
WinTune98 (2x)						
61	Integer (MIPS)	803	907	1059	700	1047
62	Floating Point (MFLOPS)	155	151	153	101	152
63	Video 2D (Mpixels/s)	50.8	63	94.7	75.9	86.6
64	Direct3D (Mpixels/s)	64.6	64.6	64.6	64.4	64.5
65	OpenGL (Mpixels/s)	47.9	47.9	47.5	45.9	47.3
66	Memory (MB/s)	617	554	802	505	808
Sandra99						
67	CPU: Dhrystone (MIPS)	1030	1046	1260	833	1244
68	CPU: Whetstone (MFLOPS)	193	190	206	136	203
69	MMX/3DNow: Integer (f/s)	666	632	578	382	571
70	MMX/3DNow: Floating Point (f/s)	407	440	462	306	457
71	Memory: ALU Bandwidth (MB/s)	108	103	184	138	159
72	Memory: FPU Bandwidth (MB/s)	135	134	236	174	206
PassMark v4.0						
73	2D Graphics Mark	74.2	75	84.1	70.3	79.4
74	Memory Mark	38.2	39.6	36.5	24	41.3
75	Math Mark	34.3	37.2	41.9	27.9	33.4
76	Math Max MFLOPS	43.5	43	53.2	35.3	54.3
77	SSE/3DNow!	86.5	124	163	109	
78	MMX Mark	37.6	46.5	55.1	37	55.1
79	Integer Addition	64.8	74.6	69.1	46	81.4
80	Integer Subtraction	64.8	74.8	68.9	45.9	81.2
81	Integer Multiplication	26.4	34	41	27.3	44.8
82	Integer Division	10.4	9.4	10.6	7	10.8
83	FPU Addition	38.2	38.8	51.1	34	14.9
84	FPU Subtraction	38.2	38.8	51	34	14.9
85	FPU Multiplication	38.2	38.8	51	34	14.9
86	FPU Division	7.9	7.9	9.5	6.3	6.3
3D-Mark99Max [800x600x16bit]						
87	Graphics 3DMarks	1757	1806	24	23	-
88	CPU 3DMarks	4466	4575	27	18	-
Final Reality v1.01						
89	Direct3D - Overall	2.65	2.79	3.5	2.96	3.32
90	Software - Overall	1.44	1.53	2.01	1.5	1.84
91	Direct3D - 2D	2.75	2.96	3.96	2.65	3.42
92	Direct3D - 3D	2.97	3.07	3.1	2.82	3.05
93	Direct3D - Bus	1.24	1.41	4.07	4.09	4.16
94	Software - 3D	0.5	0.49	0.51	0.41	0.51
MDK Performance - Direct3D		146	166	168	167	168
96	MDK Performance - Software	133	150	198	140	196
Quake II v3.20 [640x480, no 8-bit]						
97	Timedemo1 - OpenGL (fps)	30.5	32.2	33	28.2	33.9
98	Timedemo1 - Software (fps)	17.4	17.6	22.2	15.3	21.3

868 Benchmark Comparison (Normalised)			12345678910111213141516																
CPU Type:			IBM x86c	IBM x86c	IBM x86c	Cyrix MediaGX	Cyrix MediaGX	Cyrix MediaGX	Cyrix MediaGX	Cyrix MediaGX	Cyrix MediaGX	Cyrix MediaGX	Cyrix MediaGX	Cyrix MediaGX	Cyrix MediaGX	Cyrix 6x86	Cyrix 6x86	IBM 6x86	IBM 6x86
Operating Frequency:			100 MHz ¹	120 MHz ¹	133 MHz ¹	133 MHz ^{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}	150 MHz ⁹	166 MHz ⁹	180 MHz ²	200 MHz ⁹	233 MHz ⁹	266 MHz ²	300 MHz ^{9, 10, 11, 12, 13, 14, 15, 16}	333 MHz ^{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}	333 MHz ^{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16}	75 MHz ²	83 MHz ²	100 MHz ²	110 MHz ²
FSB/Multiplier:			50 / 2.0x	60 / 2.0x	66 / 2.0x	33 / 4.0x	30 / 5.0x	33 / 5.0x	30 / 6.0x	33 / 6.0x	33 / 6.0x	33 / 8.0x	33 / 9.0x	33 / 8.0x	33 / 9.0x	75 / 1.0x	83 / 1.0x	100 / 2.0x	110 / 2.0x
L1/2 Cache Type:			16KB-unif WB	16KB-unif WB	16KB-unif WB	12KB-unif WB	12KB-unif WB	12KB-unif WB	12KB-unif WB	12KB-unif WB	12KB-unif WB	12KB-unif WB	12KB-unif WB	12KB-unif WB	12KB-unif WB	16KB-unif WB	16KB-unif WB	16KB-unif WB	16KB-unif WB
Model/S-spec:			Step0 Rev5	Step0 Rev5	Step0 Rev5	Step3 Rev3	Step3 Rev3	Step3 Rev3	Step3 Rev3	Step3 Rev3	Step3 Rev3	Step3 Rev3	Step3 Rev3	Step3 Rev3	Step3 Rev3	Step0 Rev6	Step0 Rev6	Step1 Rev7	Step1 Rev7
CPUID (Type, Family, Model, Stepping):			-	-	-	0540	0540	0540	0540	0540	0540	0540	0540	0540	0540	0530	0530	0520	0520
Dominant Test Type		DOS 7.10																	
	ALU	O	Symantec Sysinfo v6.0	0.35	0.42	0.47	0.44	0.50	0.56	0.60	0.67	0.78	0.89	1.01	1.12	0.64	0.71	0.86	0.94
FPU	F	PiDOS 75k digits (1/sec.)	0.39	0.46	0.52	0.47	0.52	0.58	0.62	0.70	0.80	0.91	1.03	1.14	0.39	0.44	0.51	0.56	
		Landmark v2.0																	
ALU	I	Integer ALU (Mhz)	0.31	0.37	0.41	0.40	0.42	0.47	0.50	0.56	0.66	0.75	0.88	0.94	0.61	0.68	0.79	0.87	
FPU	F	Floating-point FPU (Mhz)	0.33	0.39	0.44	0.37	0.42	0.47	0.50	0.56	0.66	0.75	0.85	0.94	0.24	0.26	0.32	0.35	
GPU		Video (char/sec)	0.52	0.47	0.52	0.63	0.56	0.63	0.56	0.63	0.63	0.63	0.63	0.63	1.94	2.05	2.05	2.05	
		Bytemark v2. 32-bit DOS																	
ALU		Numeric Sort (iterations/sec)	0.26	0.31	0.34	0.31	0.34	0.38	0.41	0.47	0.54	0.61	0.69	0.77	0.26	0.29	0.38	0.42	
ALU		String Sort (iterations/sec)	0.43	0.52	0.56	0.50	0.56	0.62	0.67	0.75	0.88	1.00	1.13	1.26	0.53	0.59	0.69	0.75	
ALU		Bitfield (millions of iterations/sec)	0.31	0.37	0.41	0.37	0.42	0.47	0.50	0.56	0.66	0.75	0.85	0.94	0.44	0.49	0.58	0.64	
ALU		FP Emulation (iterations/sec)	0.34	0.41	0.45	0.46	0.51	0.58	0.62	0.69	0.80	0.92	1.04	1.15	0.39	0.43	0.52	0.58	
FPU		Fourier (iterations/sec)	0.26	0.31	0.34	0.32	0.36	0.41	0.43	0.48	0.57	0.65	0.73	0.83	0.19	0.21	0.26	0.28	
ALU		Assignment (iterations/sec)	0.27	0.32	0.35	0.28	0.32	0.35	0.38	0.42	0.49	0.56	0.63	0.70	0.33	0.37	0.43	0.47	
ALU		IDEA (iterations/sec)	0.26	0.31	0.35	0.37	0.42	0.47	0.50	0.56	0.66	0.76	0.85	0.95	0.31	0.35	0.48	0.53	
ALU		Huffman (iterations/sec)	0.29	0.35	0.39	0.36	0.41	0.46	0.49	0.55	0.64	0.73	0.83	0.92	0.26	0.27	0.46	0.50	
FPU		Neural Net (iterations/sec)	0.15	0.18	0.20	0.16	0.18	0.20	0.22	0.25	0.29	0.33	0.38	0.42	0.12	0.14	0.16	0.18	
FPU		LU Decomposition (iter/sec)	0.30	0.35	0.38	0.28	0.32	0.36	0.37	0.42	0.49	0.56	0.63	0.69	0.29	0.33	0.36	0.40	
ALU	I	Integer Index (% of Pentium 90)	0.31	0.36	0.40	0.37	0.42	0.47	0.50	0.56	0.66	0.75	0.85	0.94	0.35	0.40	0.50	0.55	
FPU	F	Floating-point Index (% of P90)	0.23	0.27	0.30	0.24	0.28	0.31	0.33	0.37	0.43	0.49	0.56	0.62	0.19	0.21	0.25	0.27	
		Roy Longbottom Dhrystone v1.1																	
ALU	I	DHRY100 (VAX MIPS Rating)	0.31	0.38	0.42	0.41	0.46	0.51	0.55	0.62	0.72	0.82	0.93	1.03	0.33	0.37	0.47	0.51	
		Roy Longbottom Whetstone																	
FPU	F	WHETCOD, MWIPS (MFLOPS)	0.29	0.35	0.39	0.35	0.39	0.44	0.47	0.52	0.61	0.70	0.79	0.87	0.22	0.24	0.29	0.32	
FPU		N1, Floating Point (MFLOPS)	0.20	0.24	0.27	0.20	0.23	0.26	0.28	0.31	0.36	0.42	0.47	0.52	0.14	0.16	0.19	0.20	
FPU		N2, Floating Point (MFLOPS)	0.25	0.31	0.34	0.27	0.31	0.34	0.36	0.41	0.48	0.55	0.62	0.68	0.18	0.20	0.24	0.26	
ALU, FPU		N3, If Then Else (MOPS)	0.31	0.37	0.41	0.36	0.40	0.45	0.48	0.53	0.62	0.70	0.79	0.88	0.35	0.39	0.48	0.51	
FPU		N4, Fixed Point (MOPS)	0.27	0.33	0.37	0.33	0.37	0.41	0.45	0.50	0.58	0.66	0.75	0.83	0.29	0.32	0.39	0.42	
FPU		N5, Sine, Cosine (MOPS)	0.30	0.36	0.40	0.38	0.43	0.48	0.51	0.58	0.67	0.76	0.87	0.96	0.22	0.25	0.30	0.33	
FPU		N6, Floating Point (MFLOPS)	0.29	0.35	0.39	0.35	0.39	0.44	0.47	0.53	0.62	0.70	0.80	0.89	0.20	0.22	0.27	0.29	
FPU		N7, Assignments (MOPS)	0.26	0.31	0.34	0.23	0.26	0.29	0.31	0.35	0.41	0.47	0.53	0.59	0.15	0.17	0.20	0.22	
FPU		N8, Exp, Sqrt, etc (MOPS)	0.33	0.39	0.43	0.41	0.46	0.52	0.55	0.62	0.72	0.83	0.94	1.04	0.24	0.27	0.32	0.35	
		Speedsys v4.78																	
ALU	I	Total Score	0.33	0.39	0.43	0.38	0.43	0.48	0.52	0.58	0.68	0.78	0.87	0.97	0.29	0.32	0.38	0.42	
GPU		Video Memory Bandwidth (MB/s)	0.77	0.70	0.77	0.44	0.40	0.44	0.40	0.44	0.44	0.44	0.44	0.44	0.84	0.91	0.84	0.90	
RAM		System Memory Bandwidth (MB/s)	0.76	0.61	0.68	0.92	1.03	1.16	1.24	1.39	1.62	1.86	2.09	2.33	1.03	1.15	0.74	0.81	
ALU	O	Max of Ave L1 Cache (MB/s)	0.37	0.40	0.45	0.50	0.56	0.63	0.67	0.75	0.88	1.00	1.13	1.25	0.60	0.67	0.80	0.88	
RAM		Max of Ave L2 Cache (MB/s)	0.39	0.36	0.40	-	-	-	-	-	-	-	-	-	-	0.78	0.87	0.71	0.77
RAM		Max of Ave RAM Throughput (MB/s)	0.48	0.41	0.46	0.46	0.51	0.57	0.62	0.69	0.79	0.91	1.02	1.14	0.73	0.81	0.56	0.62	
ALU	I	Ave L1 Cache (MB/s)	0.37	0.40	0.45	0.44	0.50	0.56	0.60	0.67	0.78	0.89	1.01	1.12	0.60	0.67	0.80	0.88	
RAM		Ave L2 Cache (MB/s)	0.55	0.51	0.57	-	-	-	-	-	-	-	-	-	-	1.11	1.23	1.00	1.09
RAM		Ave RAM Cache (MB/s)	0.67	0.58	0.64	0.63	0.70	0.79	0.84	0.94	1.08	1.24	1.40	1.55	1.02	1.14	0.79	0.86	
ALU		Max L1 Cache (MB/s)	0.21	0.26	0.28	0.28	0.32	0.36	0.38	0.43	0.50	0.57	0.65	0.72	0.32	0.36	0.43	0.47	
RAM		Max L2 Cache (MB/s)	0.56	0.49	0.55	-	-	-	-	-	-	-	-	-	-	0.96	1.07	1.00	1.10
RAM		Max RAM Cache (MB/s)	0.91	0.75	0.83	0.66	0.74	0.83	0.89	1.00	1.17	1.33	1.51	1.68	1.02	1.14	0.88	0.97	
MMX ALU		MMX Ave L1 Cache (MB/s)	-	-	-	0.65	0.73	0.82	0.87	0.98	1.14	1.30	1.47	1.64	-	-	-	-	
MMX RAM		MMX Ave L2 Cache (MB/s)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MMX RAM		MMX Ave RAM Cache (MB/s)	-	-	-	0.42	0.47	0.53	0.57	0.63	0.73	0.84	0.95	1.05	-	-	-	-	
MMX ALU		MMX Max L1 Cache (MB/s)	-	-	-	0.81	0.91	1.02	1.09	1.22	1.43	1.63	1.84	2.05	-	-	-	-	
MMX RAM		MMX Max L2 Cache (MB/s)	-	-	-	-	-	-	-	-	-	-	-						

686 Benchmark Comparison													36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53		
(Normalised)													CPU Type:	Cyrix MII	Cyrix MII	AMD X5	AMD X5	AMD K5	AMD K5	AMD K5	AMD K5	AMD K5	AMD K5	AMD K5	AMD K5	AMD K6	AMD K6	AMD K6	AMD K6	AMD K6	AMD K6	
Operating Frequency:													350 MHz ¹	400 MHz ² C	133 MHz ¹	160 MHz ¹	75 MHz ²	90 MHz ²	100 MHz ²	105 MHz ²	117 MHz ²	120 MHz ²	125 MHz ²	133 MHz ²	133 MHz ²	166 MHz ²	200 MHz ²	233 MHz ²	262 MHz ²	266 MHz ²		
FSB/Multiplier:													100 / 3.5x	100 / 4.0x	33 / 4.0x	40 / 4.0x	50 / 1.5x	60 / 1.5x	66 / 1.5x	60 / 1.75x	66 / 1.5x	60 / 2.0x	83 / 1.5x	66 / 2.0x	66 / 2.0x	66 / 2.5x	66 / 3.0x	66 / 3.5x	75 / 3.5x	66 / 4.0x		
L1/2 Cache Type:													64KB-unif WB	64KB-unif WB	16KB-unif WB	16KB-unif WB	24KB-split WB	24KB-split WB	24KB-split WB	24KB-split WB	24KB-split WB	24KB-split WB	24KB-split WB	24KB-split WB	24KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB		
Model/S-spec:													Step3 Rev5	Step3 Rev5	133 ADZ	133 ADZ	133ABR	133ABR	133ABR	166ABR	166ABR	166ABR	166ABR	200ABX	200ALR	200ALR	200ALR	300AFR	300AFR	300AFR		
CPUID (Type, Family, Model, Stepping):													0601	0601	04F4	04F4	0511	0511	0511	0534	0534	0534	0534	0534	0561	0561	0561	0570	0570	0570		
DOS 7.10																																
1	Symantec Sysinfo v8.0													-	-	0.36	0.44	0.41	0.49	0.54	0.57	0.64	0.66	0.68	0.73	1.00	1.25	1.50	1.75	1.97	2.00	
2	PIBOS (75k digits) (1/sec.)													1.80	2.06	0.41	0.49	0.47	0.56	0.62	0.65	0.73	0.74	0.78	0.82	0.99	1.21	1.42	1.61	1.80	1.80	
Landmark v2.0																																
3	Integer ALU (Mhz)													2.85	3.26	0.29	0.35	0.44	0.53	0.59	0.62	0.68	0.70	0.73	0.78	0.88	1.10	1.32	1.54	1.74	1.76	
4	Floating-point FPU (Mhz)													1.17	1.34	0.27	0.33	0.21	0.25	0.27	0.29	0.32	0.33	0.34	0.36	0.53	0.66	0.79	0.92	1.04	1.05	
5	Video (char/sec)													2.05	2.05	0.52	0.64	0.74	0.88	1.00	0.88	1.00	0.88	1.23	1.00	0.97	0.97	0.97	0.97	1.12	1.00	
Bytemark v2, 32-bit DOS																																
6	Numeric Sort (iterations/sec)													1.37	1.56	0.29	0.34	0.36	0.43	0.48	0.49	0.54	0.54	0.60	0.60	0.59	0.73	0.87	1.02	1.14	1.16	
7	String Sort (iterations/sec)													2.43	2.80	0.32	0.39	0.34	0.40	0.45	0.46	0.51	0.52	0.54	0.56	1.01	1.27	1.52	1.76	2.00	2.03	
8	Bitfield (millions of iterations/sec)													2.05	2.34	0.33	0.40	0.34	0.41	0.46	0.48	0.53	0.55	0.57	0.61	0.82	1.03	1.24	1.44	1.62	1.65	
9	FP Emulation (iterations/sec)													1.82	2.08	0.40	0.48	0.51	0.61	0.68	0.71	0.79	0.81	0.85	0.90	0.59	0.73	0.88	1.03	1.13	1.17	
10	Fourier (iterations/sec)													0.96	11.02	0.22	0.26	0.12	0.15	0.17	0.17	0.19	0.20	0.21	0.22	0.49	0.61	0.73	0.86	0.96	0.98	
11	Assignment (iterations/sec)													1.59	1.80	0.29	0.35	0.59	0.72	0.79	0.82	0.91	0.93	1.00	1.03	0.63	0.78	0.93	1.06	1.20	1.21	
12	IDEA (iterations/sec)													1.67	1.90	0.28	0.01	0.49	0.59	0.64	0.68	0.75	0.78	0.81	0.86	0.66	0.83	0.99	1.14	1.30	1.33	
13	Huffman (iterations/sec)													1.61	1.85	0.36	0.44	0.49	0.59	0.65	0.69	0.76	0.78	0.82	0.87	0.89	1.10	1.34	1.56	1.76	1.79	
14	Neural Net (iterations/sec)													0.65	0.73	0.14	0.17	0.16	0.19	0.21	0.22	0.24	0.25	0.26	0.27	0.37	0.46	0.55	0.65	0.73	0.74	
15	LU Decomposition (iter/sec)													1.77	2.01	0.26	0.31	0.34	0.40	0.45	0.46	0.51	0.53	0.57	0.58	0.69	0.87	0.96	1.11	1.31	1.22	
16	Integer Index (% of Pentium 90)													1.76	2.01	0.32	0.39	0.44	0.52	0.58	0.60	0.67	0.69	0.72	0.76	0.73	0.90	1.09	1.26	1.42	1.44	
17	Floating-point Index (% of P90)													1.04	1.18	0.20	0.24	0.19	0.23	0.25	0.26	0.29	0.30	0.31	0.33	0.50	0.63	0.73	0.85	0.98	0.96	
Roy Longbottom Dhrystone v1.1																																
18	DHR10D (VAX MIPS Rating)													1.59	1.82	0.40	0.47	0.42	0.51	0.57	0.57	0.63	0.64	0.70	0.71	0.69	0.86	1.03	1.17	1.31	1.33	
Roy Longbottom Whetstone																																
19	WHETCO, MWIPS (MFLOPS)													1.06	1.21	0.22	0.26	0.16	0.19	0.21	0.22	0.24	0.25	0.26	0.28	0.53	0.66	0.80	0.94	1.05	1.07	
20	N1, Floating Point (MFLOPS)													0.73	0.83	0.16	0.20	0.31	0.37	0.41	0.44	0.48	0.50	0.52	0.55	0.49	0.61	0.73	0.88	1.00	1.01	
21	N2, Floating Point (MFLOPS)													0.91	1.03	0.20	0.24	0.23	0.28	0.31	0.32	0.36	0.37	0.38	0.41	0.49	0.62	0.74	0.89	0.99	1.00	
22	N3, If Then Else (MOPS)													1.60	1.83	0.24	0.29	0.38	0.46	0.51	0.54	0.60	0.61	0.64	0.65	0.31	0.39	0.46	0.54	0.60	0.62	
23	N4, Fixed Point (MOPS)													1.34	1.53	0.33	0.39	0.86	1.06	1.17	1.20	1.35	1.40	1.46	1.59	1.15	1.43	1.71	2.04	2.30	2.33	
24	N5, Sine, Cosine (MOPS)													1.05	1.20	0.18	0.22	0.09	0.11	0.12	0.13	0.14	0.15	0.15	0.16	0.63	0.79	0.95	1.11	1.26	1.27	
25	N6, Floating Point (MFLOPS)													1.01	1.15	0.23	0.27	0.21	0.25	0.28	0.29	0.32	0.33	0.34	0.37	0.47	0.59	0.71	0.83	0.93	0.95	
26	N7, Assignments (MOPS)													0.83	0.94	0.20	0.25	0.39	0.46	0.51	0.54	0.59	0.61	0.63	0.67	0.44	0.55	0.66	0.77	0.86	0.87	
27	N8, Exp, Sqrt, etc (MOPS)													1.15	1.31	0.20	0.24	0.10	0.12	0.13	0.13	0.15	0.15	0.16	0.17	0.48	0.59	0.71	0.84	0.94	0.95	
Speedsys v4.78																																
28	Total Score													1.44	1.65	0.29	0.35	0.45	0.54	0.60	0.63	0.70	0.72	0.75	0.80	0.85	1.06	1.27	1.52	1.71	1.74	
29	Video Memory Bandwidth (MB/s)													1.08	1.08	0.56	0.68	0.67	0.78	0.84	0.79	0.84	0.79	0.98	0.84	0.71	0.71	0.71	0.71	0.78	0.84	
30	System Memory Bandwidth (MB/s)													1.48	1.48	0.50	0.61	0.63	0.75	0.84	0.76	0.84	0.76	1.05	0.84	0.59	0.59	0.59	0.59	0.67	0.77	
31	Max of Ave L1 Cache (MB/s)													2.77	3.17	0.28	0.33	0.38	0.40	0.44	0.52	0.50	0.49	0.46	0.56	1.18	1.46	1.75	2.03	2.28	2.31	
32	Max of Ave L2 Cache (MB/s)													1.30	1.36	0.27	0.32	0.41	0.49	0.54	0.51	0.57	0.55	0.68	0.61	0.84	0.89	0.92	0.93	1.05	0.95	
33	Max of Ave RAM Throughput (MB/s)													0.98	1.02	0.31	0.37	0.45	0.54	0.60	0.56	0.62	0.58	0.75	0.64	0.70	0.70	0.70	0.70	0.79	0.78	
34	Ave L1 Cache (MB/s)													2.77	3.17	0.28	0.33	0.38	0.40	0.44	0.52	0.50	0.49	0.46	0.56	1.18	1.46	1.75	2.03	2.28	2.31	
35	Ave L2 Cache (MB/s)													1.85	1.93	0.38	0.46	0.58	0.69	0.77	0.73	0.80	0.78	0.96	0.86	1.14	1.21	1.23	1.32	1.48	1.32	
36	Ave RAM Cache (MB/s)													1.38	1.43	0.43	0.52	0.63	0.76	0.84	0.78	0.86	0.81	1.05	0.90	0.96	0.98	0.98	0.98	1.10	1.09	
37	Max L1 Cache (MB/s)													1.48	1.69	0.18	0.22	0.32	0.31	0.34	0.45	0.39	0.38	0.41	0.57	0.57	0.71	0.84	0.98	1.10	1.12	
38	Max L2 Cache (MB/s)													1.65	1.84	0.37	0.45	0.65	0.78	0.86	0.84	0.92	0.91	1.08	1.01	1.19	1.33	1.33	1.49	1.68	1.49	
39	Max RAM Cache (MB/s)													1.75	1.88	0.62	0.75	0.68	0.82	0.91	0.85	0.95	0.90	1.14	1.00	1.11	1.17	1.17	1.17	1.31	1.32	
40	MMX Ave L1 Cache (MB/s)													-	-	-	-	-	-	-	-	-	-	-	-	-	1.14	1.42	1.70	1.98	2.22	2.26
41	MMX Ave L2 Cache (MB/s)													-	-	-	-	-	-	-	-	-	-	-	-	-	0.84	0.89	0.92	0.93	1.05	0.95
42	MMX Ave RAM Cache (MB/s)													-	-	-	-	-	-	-	-	-	-	-	-	-	0.64	0.65	0.65	0.65	0.73	0.72
43	MMX Max L1 Cache (MB/s)													-	-	-	-	-	-	-	-	-	-	-	-	-	0.83	1.04	1.24	1.45	1.63	1.65
44	MMX Max L2 Cache (MB/s)													-	-	-	-	-	-	-	-	-	-	-	-	-	0.89	0.97	1.00	1.03	1.16	1.03
45	MMX Max RAM Cache (MB/s)													-	-	-	-	-	-	-	-	-	-	-	-	-	0.69	0.70	0.70	0.70	0.79	0.79
Cachechk v7.0																																
46	L1 Cache (MB/s)													4.54	5.20	0.43	0.51	0.94	1.17	1.29	1.36	1.50	1.52	1.60	1.68	1.70	2.12	2.53	2.94	3.31	3.35	
47	L2 Cache (MB/s)													1.65	1.84	0.34	0.40	0.85	0.78	0.86	0.84	0.93	0.91	1.08	1.01	1.20	1.34	1.34	1.50	1.69	1.50	
48	Memory (MB/s)													1.76	1.90	0.36	0.43	0.69	0.82	0.91	0.86	0.95	0.91	1.14	1.01	1.11	1.17	1.17	1.17	1.32	1.32	
49	RAM Read Access Time (1/ns)													1.74	1.92	0.71	0.85	0.68	0.82	0.91	0.85	0.95	0.90	1.14	1.00	1.10	1.17	1.17	1.17	1.32	1.34	
50	RAM Write Access Time (1/ns)													1.08	1.08	1.50	1.80	0.56	0.68	0.75	0.68	0.75	0.68	0.94	0.75	0.83	0.83	0.83	0.93	0.90		
51	Sibench v1.0e													3.07	3.07	0.48	0.57	0.53	0.64	0.71	0.69	0.76	0.73	0.89	0.86	1.10	1.21	1.31	1.46	1.43		
52	Doom v1.9c timedemo1 (fps)													1.22	1.28	0.58	0.69	1.22	0.69	0.88	0.78	0.86	0.82	0.99	0.90	0.87	0.82	0.96	1.07	1.00		
53	Pcgbench v1.04 (arb. units)													1.36	1.44	0.31	0.37	0.49	0.59	0.65	0.64	0.71	0.69	0.81	0.76	0.79	0.88	0.95	1.00	1.13	1.12	
[VESA Modus 100 (640x400 8bpp LFB)]																																
54	Quake v1.06c timedemo1 (fps)													1.07	1.14	0.28	0.33	0.43	0.51	0.57	0.55	0.61	0.60	0.69	0.67	0.60	0.68	0.76	0.82	0.92	0.89	
[640x480, full screen, console off]																																
WINDOWS 98SE																																
55																																

Benchmark Comparison													54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71		
(Normalised)													CPU Type:	AMD K6	AMD K6	AMD K6	AMD K6	AMD K6	AMD K6	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	AMD K6-2	
Operating Frequency:													292 MHz ²	300 MHz ²	300 MHz ²	333 MHz ²	300 MHz ³	300 MHz ³	133 MHz ²	233 MHz ²	266 MHz ²	300 MHz ²	333 MHz ²	300 MHz ²	350 MHz ³	400 MHz ³	400 MHz ²	450 MHz ³	500 MHz ²	550 MHz ³		
FSB/Multiplier:													83 / 3.5x	66 / 4.5x	75 / 4.0x	83 / 4.0x	75 / 4.0x	100 / 3.0x	66 / 2.0x	66 / 3.5x	66 / 4.0x	75 / 4.0x	83 / 4.0x	100 / 3.0x	100 / 3.5x	66 / 6.0x	100 / 4.0x	100 / 4.5x	100 / 5.0x	100 / 5.5x		
L1/2 Cache Type:													64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB		
Model/S-spec:													300AFR	300AFR	300AFR	300AFR	300AFR	300AFR	300AFR	300AFR	300AFR	300AFR	300AFR	300AFR	400AFQ	400AFQ	400AFQ	500AFX	500AFX	550AGR		
CPUID (Type, Family, Model, Stepping):													0570	0570	0570	0570	0570	0570	0580	058C	058C	058C	058C	058C	058C	058C	058C	058C	058C	058C		
DOS 7.10																																
1	Symantec Sysinfo v8.0													-	-	-	-	-	-	1.00	1.75	2.00	-	-	-	-	-	-	-	-		
2	PiDOS (75k digits) (1/sec.)													2.06	2.00	2.06	2.24	2.06	2.18	0.99	1.64	1.90	2.11	2.39	2.18	2.47	2.64	2.85	3.08	3.36	3.70	
Landmark v2.0																																
3	Integer ALU (Mhz)													1.93	1.98	1.98	2.21	2.02	2.02	0.88	1.54	1.76	1.98	2.21	2.02	2.36	2.70	2.70	3.03	3.37	3.71	
4	Floating-point FPU (Mhz)													1.15	1.19	1.18	1.32	1.21	1.21	0.53	0.93	1.07	1.20	1.33	1.22	1.43	1.63	1.63	1.84	2.04	2.25	
5	Video (char/sec)													1.23	1.00	1.12	1.23	1.12	1.00	0.97	1.00	0.97	1.12	1.23	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Bytemark v2.32-bit DOS																																
6	Numeric Sort (iterations/sec)													1.28	1.29	1.28	1.43	1.30	1.34	0.59	0.96	1.11	1.25	1.39	1.26	1.46	1.61	1.66	1.85	2.05	2.24	
7	String Sort (iterations/sec)													2.20	2.28	2.24	2.54	2.25	2.30	1.02	1.77	2.03	2.27	2.57	2.30	2.67	3.04	3.07	3.43	3.82	4.17	
8	Bitfield (millions of iterations/sec)													1.81	1.85	1.85	2.07	1.86	1.87	0.83	1.44	1.65	1.85	2.07	1.86	2.18	2.48	2.48	2.80	3.11	3.41	
9	FP Emulation (iterations/sec)													1.28	1.32	1.31	1.46	1.32	1.32	0.58	1.01	1.16	1.30	1.45	1.31	1.52	1.74	1.75	1.96	2.17	2.40	
10	Fourier (iterations/sec)													1.07	1.10	1.04	1.22	1.10	1.10	0.49	0.87	0.99	1.11	1.23	1.12	1.30	1.49	1.49	1.67	1.86	2.04	
11	Assignment (iterations/sec)													1.33	1.34	1.36	1.52	1.36	1.39	0.63	1.09	1.24	1.39	1.53	1.41	1.64	1.79	1.86	2.04	2.27	2.46	
12	IDEA (iterations/sec)													1.45	1.49	1.49	1.66	1.50	1.56	1.16	1.32	1.49	1.66	1.82	1.49	1.74	1.99	2.00	2.24	2.49	2.75	
13	Huffman (iterations/sec)													1.95	2.01	2.00	2.24	2.01	2.03	0.89	1.54	1.76	1.98	2.21	1.98	2.31	2.65	2.65	2.98	3.31	3.63	
14	Neural Net (iterations/sec)													0.81	0.83	0.83	0.94	0.83	0.83	0.37	0.71	0.81	0.91	1.03	0.93	1.08	1.24	1.24	1.39	1.55	1.71	
15	LU Decomposition (Iter/sec)													1.37	1.32	1.38	1.53	1.38	1.46	0.72	1.39	1.56	1.76	1.96	1.88	2.13	2.07	2.36	2.55	2.73	2.93	
16	Integer Index (% of Pentium 90)													1.58	1.62	1.61	1.80	1.62	1.64	0.73	1.25	1.43	1.61	1.79	1.62	1.89	2.13	2.15	2.41	2.67	2.93	
17	Floating-point Index (% of P90)													1.06	1.07	1.08	1.21	1.08	1.11	0.51	0.95	1.08	1.21	1.36	1.25	1.44	1.57	1.63	1.81	1.99	2.17	
Roy Longbottom Dhrystone v1.1																																
18	Dhrystone (VAX MIPS Rating)													1.47	1.45	1.50	1.65	1.50	1.54	0.70	1.17	1.33	1.50	1.66	1.54	1.78	1.94	2.01	2.21	2.45	2.63	
Roy Longbottom Whetstone																																
19	WHETCOO, MWIPS (MFLOPS)													1.17	1.21	1.21	1.34	1.21	1.21	0.54	0.95	1.09	1.22	1.36	1.23	1.43	1.64	1.64	1.85	2.05	2.25	
20	N1, Floating Point (MFLOPS)													1.10	1.13	1.13	1.25	1.14	1.14	0.50	0.92	1.06	1.19	1.32	1.20	1.38	1.58	1.58	1.77	1.98	2.19	
21	N2, Floating Point (MFLOPS)													1.10	1.14	1.14	1.27	1.13	1.13	0.51	0.91	1.04	1.16	1.30	1.17	1.38	1.55	1.55	1.77	1.96	2.15	
22	N3, If Then Else (MOPS)													0.67	0.70	0.69	0.77	0.69	0.70	0.31	0.54	0.62	0.69	0.77	0.70	0.81	0.93	0.93	1.04	1.16	1.27	
23	N4, Fixed Point (MOPS)													2.57	2.62	2.64	2.92	2.64	2.64	1.19	2.06	2.32	2.64	2.92	2.64	3.10	3.55	3.55	3.98	4.38	4.84	
24	N5, Sine, Cosine (MOPS)													1.39	1.43	1.44	1.59	1.43	1.44	0.64	1.13	1.29	1.45	1.61	1.46	1.69	1.95	1.95	2.18	2.42	2.68	
25	N6, Floating Point (MFLOPS)													1.04	1.07	1.07	1.19	1.07	1.07	0.47	0.86	0.98	1.09	1.22	1.10	1.29	1.47	1.59	1.65	1.84	2.02	
26	N7, Assignments (MOPS)													0.96	0.99	0.99	1.10	0.99	0.99	0.44	0.76	0.88	0.98	1.09	0.99	1.16	1.33	1.33	1.49	1.66	1.83	
27	N8, Exp, Sqrt, etc (MOPS)													1.05	1.08	1.08	1.19	1.07	1.08	0.48	0.84	0.96	1.08	1.20	1.08	1.26	1.44	1.45	1.63	1.81	1.99	
Speedsys v4.78																																
28	Total Score													1.90	1.95	1.95	2.17	1.96	1.96	0.87	1.52	1.74	1.95	2.17	1.96	2.29	2.61	2.61	2.94	3.27	3.60	
29	Video Memory Bandwidth (MB/s)													0.84	0.84	0.91	0.98	0.92	0.95	0.71	0.71	0.71	0.78	0.84	0.95	0.95	0.85	0.95	0.95	0.95	1.00	
30	System Memory Bandwidth (MB/s)													0.84	0.77	0.87	0.97	0.83	1.07	0.59	0.84	1.00	1.12	1.13	1.25	1.25	0.87	1.31	1.25	1.31	1.31	
31	Max of Ave L1 Cache (MB/s)													2.54	2.58	2.59	2.88	2.60	2.63	1.47	2.55	2.91	3.27	3.64	3.27	3.80	4.28	4.34	4.86	5.39	5.91	
32	Max of Ave L2 Cache (MB/s)													1.17	0.95	1.07	1.18	1.07	1.39	0.84	1.08	1.09	1.23	1.37	1.63	1.63	1.10	1.65	1.65	1.65	1.65	1.65
33	Max of Ave RAM Throughput (MB/s)													0.98	0.78	0.88	0.98	0.85	1.14	0.70	0.92	0.92	1.03	1.04	1.19	1.19	0.79	1.19	1.19	1.19	1.19	1.19
34	Ave L1 Cache (MB/s)													2.54	2.58	2.59	2.88	2.60	2.63	1.18	2.04	2.32	2.61	2.90	2.65	3.07	3.42	3.50	3.91	4.32	4.73	
35	Ave L2 Cache (MB/s)													1.65	1.34	1.49	1.66	1.50	1.86	1.14	1.46	1.55	1.74	1.94	2.22	2.22	1.56	2.34	2.34	2.34	2.34	
36	Ave RAM Cache (MB/s)													1.36	1.09	1.23	1.36	1.19	1.55	0.96	1.28	1.28	1.44	1.45	1.61	1.66	1.10	1.66	1.66	1.66	1.66	
37	Max L1 Cache (MB/s)													1.23	1.25	1.26	1.40	1.26	1.27	0.57	0.98	1.12	1.26	1.40	1.27	1.81	1.66	1.69	1.89	2.09	2.29	
38	Max L2 Cache (MB/s)													1.87	1.49	1.68	1.87	1.69	2.01	1.19	1.71	1.84	2.07	2.31	2.58	1.76	1.85	2.78	2.78	2.78	2.78	
39	Max RAM Cache (MB/s)													1.66	1.32	1.49	1.66	1.59	1.98	1.11	1.66	1.66	1.86	1.84	2.37	1.43	1.65	2.47	2.47	2.47	2.47	
40	MMX Ave L1 Cache (MB/s)													2.47	2.53	2.53	2.82	2.53	2.55	1.92	3.33	3.80	4.27	4.75	4.27	4.09	5.59	5.66	6.34	7.03	7.70	
41	MMX Ave L2 Cache (MB/s)													1.17	0.95	1.07	1.18	1.07	1.39	0.84	1.08	1.09	1.23	1.37	1.63	2.35	1.10	1.65	1.65	1.65	1.65	
42	MMX Ave RAM Cache (MB/s)													0.90	0.72	0.81	0.90	0.79	1.05	0.65	0.85	0.85	0.95	0.96	1.10	1.89	0.73	1.10	1.10	1.10	1.10	
43	MMX Max L1 Cache (MB/s)													1.81	1.85	1.85	2.06	1.86	1.87	1.39	2.40	2.74	3.08	3.43	3.11	3.61	4.07	4.12	4.61	5.12	5.61	
44	MMX Max L2 Cache (MB/s)													1.29	1.03	1.16	1.29	1.17	1.51	0.89	1.27	1.27	1.43	1.59	1.91	1.91	1.28	1.91	1.91	1.91	1.91	
45	MMX Max RAM Cache (MB/s)													0.99	0.79	0.89	0.99	0.95	1.25	0.69	0.99	0.99	1.12	1.11	1.48	1.48	0.99	1.48	1.48	1.48	1.48	
Cachecore v7.0																																
46	L1 Cache (MB/s)													3.68	3.75	3.76	4.19	3.77	3.81	1.70	2.93	3.34	3.75	4.18	3.81	4.42	4.90	5.03	5.62	6.21	6.79	
47	L2 Cache (MB/s)													1.88	1.50	1.69	1.88	1.70	2.02	1.20	1.71	1.85	2.08	2.31	2.59	2.59	1.86	2.79	2.79	2.79	2.79	
48	Memory (MB/s)													1.67	1.33	1.50	1.67	1.59	1.98	1.11	1.66	1.66	1.87	1.85	2.39	2.48	1.65	2.48	2.48	2.48	2.48	
49	RAM Read Access Time (1/ns)													1.67	1.34	1.50	1.67	1.60	1.97	1.10	1.67	1.67	1.88	1.88	2.34	2.50	1.67	2.50	2.50	2.50	2.50	
50	RAM Write Access Time (1/ns)													1.13	0.90	1.02	1.13	0.91	1.22	0.83	0.99	0.99	1.13	1.15	1.08	1.08	0.73	1.08	1.08	1.08	1.08	
3Dbenchmark v1.0c																																
51	Doorn v1.9s timedemo1 (fps)													1.64	1.51	1.61	1.79	1.62	1.58	0.96	1.34	1.42	1.60	1.78	1.59	1.70	1.70	1.79	1.87	1.93	1.99	
52	Pebench v1.04 (arb. units)													1.18	1.01	1.11	1.23	1.14	1.11	0.82	0.95	0.99	1.10	1.21	1.11	1.14	1.06	1.16	1.17	1.18	1.19	
53	VEGA Media 100 (40x400 Regs FFB)													1.25	1.15	1.26	1.40	1.30	1.33	0.80	1.07	1.12	1.27	1.00	1.35	1.41	1.32	1.46	1.50	1.53	1.57	
Quake v1.06 timedemo1 (fps)																																
54	[640x480, full screen, console off]													1.02</																		

Benchmark Comparison (Normalised)		72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
CPU Type:		AMD K6-2	AMD K6-2+	AMD K6-2+	AMD K6-2+	AMD K6-2+	AMD K6-2+	AMD K6-2+	AMD K6-2+	AMD K6-2+	AMD K6-3+	AMD K6-3	AMD K6-3	AMD K6-3+	AMD K6-III	AMD K6-3+	AMD K6-3+	AMD K6-3+	AMD K6-3+
Operating Frequency:		600 MHz ¹ C	133 MHz ²	300 MHz ²	350 MHz ²	400 MHz ²	450 MHz ²	500 MHz ²	550 MHz ²	600 MHz ²	133 MHz ²	300 MHz ²	333 MHz ²	500 MHz ²	350 MHz ²	400 MHz ²	400 MHz ²	450 MHz ²	500 MHz ²
FSB/Multiplier:		100 / 6.0x	66 / 2.0x	75 / 4.0x	100 / 3.5x	100 / 4.0x	100 / 4.5x	100 / 5.0x	100 / 5.5x	100 / 6.0x	66 / 2.0x	75 / 4.0x	83 / 4.0x	83 / 6.0x	100 / 3.5x	66 / 6.0x	100 / 4.0x	100 / 4.5x	83 / 6.0x
L1/2 Cache Type:		64KB-split WB	64K L1 / 128K L2	64K L1 / 128K L2	64K L1 / 128K L2	64K L1 / 128K L2	64K L1 / 128K L2	64K L1 / 128K L2	64K L1 / 128K L2	64K L1 / 128K L2	64K L1 / 256K L2	64K L1 / 256K L2	64K L1 / 256K L2	64K L1 / 256K L2	64K L1 / 256K L2	64K L1 / 256K L2	64K L1 / 256K L2	64K L1 / 256K L2	64K L1 / 256K L2
Model/S-spec:		550AGR	550ACZ	550ACZ	550ACZ	550ACZ	550ACZ	550ACZ	550ACZ	550ACZ	400ATZ	450AFX	450AFX	400ATZ	450AFX	400ATZ	400ATZ	400ATZ	400ATZ
CPUID (Type, Family, Model, Stepping):		058C	05D4	05D4	05D4	05D4	05D4	05D4	05D4	05D4	05D0	0591	0591	05D0	0591	05D0	05D0	05D0	05D0
DOS 7.10																			
1	Symantec Sysinfo v8.0	-	1.00	-	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	-
2	PiDOS (75k digits) (1/sec.)	3.98	1.03	2.24	2.64	2.96	3.36	3.70	4.11	4.35	1.03	2.24	2.47	3.70	2.64	2.96	2.96	3.36	3.70
Landmark v2.0																			
3	Integer ALU (Mhz)	4.04	0.88	1.98	2.36	2.70	3.03	3.37	3.71	4.04	0.88	1.98	2.21	3.31	2.36	2.70	2.70	3.03	3.36
4	Floating-point FPU (Mhz)	2.45	0.53	1.20	1.43	1.63	1.84	2.04	2.25	2.45	0.53	1.20	1.33	2.00	1.43	1.63	1.63	1.84	2.04
5	Video (chars/sec)	1.00	0.73	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.73	0.95	1.23	1.23	1.00	1.00	1.00	1.00	0.82
Bytemark v2.32-bit DOS																			
6	Numeric Sort (iterations/sec)	2.44	0.57	1.29	1.50	1.72	1.94	2.15	2.37	2.56	0.57	1.33	1.42	2.13	1.43	1.72	1.64	1.94	2.14
7	String Sort (iterations/sec)	4.55	1.02	2.28	2.68	3.08	3.47	3.85	4.22	4.60	1.01	2.30	2.54	3.82	2.68	3.05	3.07	3.45	3.82
8	Bitfield (millions of iterations/sec)	3.72	0.82	1.86	2.17	2.49	2.79	3.11	3.42	3.74	0.83	1.85	2.07	3.10	2.17	2.49	2.48	2.80	3.11
9	FP Emulation (iterations/sec)	2.58	0.58	1.30	1.52	1.75	1.96	2.17	2.38	2.62	0.58	1.30	1.44	2.17	1.53	1.75	1.74	1.96	2.17
10	Fourier (iterations/sec)	2.23	0.50	1.11	1.30	1.49	1.67	1.86	2.04	2.23	0.50	1.11	1.24	1.85	1.30	1.49	1.49	1.67	1.85
11	Assignment (iterations/sec)	2.69	0.66	1.48	1.73	1.98	2.22	2.48	2.72	2.97	0.66	1.48	1.67	2.46	1.73	1.98	1.98	2.22	2.48
12	IDEA (iterations/sec)	3.00	0.66	1.49	1.75	1.99	2.24	2.50	2.74	2.99	0.66	1.49	1.66	2.64	1.74	1.99	1.99	2.24	2.48
13	Huffman (iterations/sec)	3.97	0.88	1.98	2.32	2.64	2.98	3.31	3.65	3.98	0.88	1.98	2.21	3.30	2.31	2.64	2.64	2.98	3.31
14	Neural Net (iterations/sec)	1.85	0.40	0.91	1.08	1.24	1.39	1.55	1.71	1.86	0.40	0.93	1.03	1.54	1.08	1.24	1.24	1.39	1.54
15	LU Decomposition (Iter/sec)	3.16	0.94	2.11	2.47	2.87	3.13	3.51	3.83	4.16	0.94	2.11	2.35	3.48	2.46	2.79	2.81	3.19	3.48
16	Integer Index: (% of Pentium 90)	3.20	0.72	1.63	1.91	2.19	2.46	2.73	3.00	3.27	0.72	1.64	1.82	2.72	1.90	2.18	2.17	2.46	2.72
17	Floating-point Index: (% of P90)	2.36	0.58	1.29	1.52	1.75	1.94	2.16	2.38	2.59	0.58	1.30	1.44	2.16	1.52	1.73	1.73	1.96	2.15
Roy Longbottom Dhrystone v1.1		2.87	0.70	1.56	1.83	2.09	2.37	2.63	2.89	3.15	0.70	1.56	1.76	2.63	1.84	2.11	2.09	2.35	2.63
Dhrystone (VAX MIPS Rating)																			
Roy Longbottom Whetstone																			
18	WHETCO, MWIPS (MFLOPS)	2.46	0.54	1.23	1.43	1.64	1.85	2.05	2.25	2.46	0.54	1.23	1.36	2.05	1.44	1.64	1.64	1.85	2.05
19	N1, Floating Point (MFLOPS)	2.38	0.53	1.18	1.40	1.58	1.77	1.98	2.17	2.36	0.53	1.18	1.32	1.97	1.38	1.58	1.58	1.79	1.97
20	N2, Floating Point (MFLOPS)	2.35	0.52	1.16	1.37	1.57	1.77	1.97	2.17	2.36	0.52	1.17	1.30	1.96	1.38	1.57	1.57	1.75	1.96
21	N3, If Then Else (MOPS)	1.39	0.31	0.70	0.81	0.93	1.04	1.16	1.27	1.39	0.31	0.69	0.77	1.16	0.82	0.94	0.37	1.05	1.16
22	N4, Fixed Point (MOPS)	5.26	1.16	2.62	3.10	3.53	3.98	4.38	4.84	5.29	1.16	2.62	2.92	4.38	3.07	3.53	3.53	3.95	4.43
23	N5, Sine, Cosine (MOPS)	2.92	0.64	1.45	1.70	1.95	2.18	2.42	2.66	2.92	0.64	1.45	1.61	2.42	1.70	1.95	1.95	2.18	2.42
24	N6, Floating Point (MFLOPS)	2.21	0.49	1.10	1.29	1.47	1.65	1.84	2.02	2.20	0.49	1.10	1.22	1.83	1.29	1.47	1.47	1.65	1.83
25	N7, Assignments (MOPS)	2.00	0.44	0.99	1.16	1.32	1.49	1.65	1.82	2.00	0.44	0.99	1.10	1.66	1.17	1.32	1.33	1.48	1.65
26	N8, Exp, Sort, etc (MOPS)	2.17	0.48	1.08	1.27	1.45	1.63	1.81	1.99	2.17	0.48	1.08	1.20	1.80	1.26	1.45	1.44	1.63	1.81
Speedsys v4.78																			
28	Total Score	3.93	0.87	1.95	2.29	2.61	2.94	3.27	3.60	3.92	0.87	1.95	2.17	3.25	2.29	2.61	2.61	2.94	3.26
29	Video Memory Bandwidth (MB/s)	1.00	0.50	0.66	0.85	0.85	0.95	0.95	0.95	0.95	0.50	0.66	0.84	0.84	0.85	0.71	0.85	0.95	0.83
30	System Memory Bandwidth (MB/s)	1.31	0.72	0.84	1.20	1.20	1.25	1.25	1.25	1.25	0.72	0.95	0.94	1.05	1.25	0.84	1.20	1.25	1.04
31	Max of Ave L1 Cache (MB/s)	6.44	1.49	3.34	3.87	4.42	4.97	5.53	6.08	6.63	1.49	3.34	3.72	5.58	3.87	4.42	4.42	4.97	5.51
32	Max of Ave L2 Cache (MB/s)	1.65	2.11 / 0.91	4.73 / 1.14	5.55 / 1.53	6.34 / 1.53	7.13 / 1.54	7.92 / 1.16	8.72 / 1.65	9.51 / 1.66	2.11 / 0.91	4.73 / 1.14	5.44 / 1.35	7.90 / 1.37	5.73 / 1.53	6.34 / 1.10	6.34 / 1.53	7.13 / 1.54	7.90 / 1.38
33	Max of Ave RAM Throughput (MB/s)	1.19	0.77	0.89	1.30	1.30	1.30	1.33	1.45	1.33	0.77	0.98	0.98	1.09	1.30	0.89	1.30	1.30	1.11
34	Ave L1 Cache (MB/s)	5.16	1.20	2.69	3.15	3.60	4.05	4.50	4.95	5.40	1.20	2.69	3.00	4.49	3.15	3.60	3.60	4.05	4.49
35	Ave L2 Cache (MB/s)	2.34	2.37 / 1.22	5.33 / 1.16	6.25 / 2.15	7.14 / 2.15	8.03 / 2.16	8.92 / 2.17	9.82 / 2.34	10.71 / 2.34	2.37 / 1.22	5.33 / 1.60	6.08 / 1.85	8.90 / 1.94	2.07 / 2.15	7.14 / 1.56	7.14 / 2.15	8.03 / 2.16	8.90 / 1.95
36	Ave RAM Cache (MB/s)	1.66	1.06	1.24	1.82	1.82	1.82	1.82	2.02	1.86	1.06	1.36	1.38	1.52	1.82	1.24	1.82	1.82	1.55
37	Max L1 Cache (MB/s)	2.46	0.57	1.28	1.50	1.72	1.93	2.15	2.36	2.57	0.57	1.28	1.43	2.14	1.50	1.72	1.72	1.93	2.14
38	Max L2 Cache (MB/s)	2.78	2.00 / 1.49	4.51 / 1.92	5.28 / 2.58	6.03 / 2.58	6.78 / 2.58	7.54 / 2.58	8.29 / 2.78	9.04 / 2.78	2.01 / 1.49	4.51 / 1.92	5.01 / 2.14	7.52 / 2.31	5.28 / 2.58	6.03 / 1.85	6		

B6 Benchmark Comparison (Normalised)													90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
CPU Type:													AMD K6-3+	AMD K6-3+	AMD K6-3+	AMD Athlon	AMD Athlon	Intel DX4	Intel P24T	Intel P24T	Intel P5	Intel P5	Intel P54C	Intel P54C	Intel P54C	Intel P54CQS	Intel P54CS	Intel P54CS	Intel P54CS	
Operating Frequency:													500 MHz ³	550 MHz ²	600 MHz ³	500 MHz ²	600 MHz ²	133 MHz ¹	83 MHz ¹	100 MHz ¹	60 MHz ^{2 C}	66 MHz ^{2 C}	75 MHz ²	90 MHz ²	100 MHz ²	120 MHz ²	133 MHz ²	150 MHz ²	166 MHz ²	200 MHz ²
FSB/Multiplier:													100 / 5.0x	100 / 5.5x	100 / 6.0x	100 / 5.0x	100 / 6.0x	16Kb-unif WB	32Kb-split	40 / 2.5x	60 / 1.0x	66 / 1.0x	50 / 1.5x	60 / 1.5x	66 / 1.5x	66 / 1.5x	60 / 2.0x	60 / 2.5x	66 / 2.5x	66 / 3.0x
L1/2 Cache Type:													64K L1 / 256K L2	64K L1 / 256K L2	64K L1 / 256K L2	128K-split L1 / 512K L2	128K-split L1 / 512K L2	16Kb-unif WB	32Kb-split	32Kb-split	16Kb-split	16Kb-split	16Kb-split	16Kb-split	16Kb-split	16Kb-split	16Kb-split	16Kb-split	16Kb-split	
Model/S-spec:													400ATZ	400ATZ	450AZ	K7500MTR51B C	K7600MTR51B A	400ATZ	SU014	SU014	-	-	SX969	SX958	SX963	SX964	SY022	SY016	SY016	SY045
CPUID (Type, Family, Model, Stepping):													05D0	05D0	05D0	0612	0621	05D0	1532	1532	-	-	0525	0524	0525	0525	052C	052C	052C	052C
DOS 7.10																														
Symantec Sysinfo v8.0																														
PiDOS [75k digits] (1/sec.)																														
Landmark v2.0																														
Integer ALU (Mhz)																														
Floating-point FPU (Mhz)																														
Video (char/sec)																														
Bytemark v2.32-bit DOS																														
Numeric Sort (iterations/sec)																														
String Sort (iterations/sec)																														
Bitfield (millions of iterations/sec)																														
FP Emulation (iterations/sec)																														
Fourier (iterations/sec)																														
Assignment (iterations/sec)																														
IDEA (iterations/sec)																														
Huffman (iterations/sec)																														
Neural Net (iterations/sec)																														
LU Decomposition (iter/sec)																														
Integer Index (% of Pentium 90)																														
Floating-point Index (% of P90)																														
Roy Longbottom Dhrystone v1.1																														
DHR10D (VAX MIPS Rating)																														
Roy Longbottom Whetstone																														
WHETCOB, MWIPS (MFLOPS)																														
N1, Floating Point (MFLOPS)																														
N2, Floating Point (MFLOPS)																														
N3, If Then Else (MOPS)																														
N4, Fixed Point (MOPS)																														
N5, Sine, Cosine (MOPS)																														
N6, Floating Point (MFLOPS)																														
N7, Assignments (MOPS)																														
N8, Exp, Sqrt, etc (MOPS)																														
Speedsys v4.78																														
Total Score																														
Video Memory Bandwidth (MB/s)																														
System Memory Bandwidth (MB/s)																														
Max of Ave L1 Cache (MB/s)																														
Max of Ave L2 Cache (MB/s)																														
Max of Ave RAM Throughput (MB/s)																														
Ave L1 Cache (MB/s)																														
Ave L2 Cache (MB/s)																														
Ave RAM Cache (MB/s)																														
Max L1 Cache (MB/s)																														
Max L2 Cache (MB/s)																														
Max RAM Cache (MB/s)																														
MMX Ave L1 Cache (MB/s)																														
MMX Ave L2 Cache (MB/s)																														
MMX Ave RAM Cache (MB/s)																														
MMX Max L1 Cache (MB/s)																														
MMX Max L2 Cache (MB/s)																														
MMX Max RAM Cache (MB/s)																														
Cachechx v7.0																														
L1 Cache (MB/s)																														
L2 Cache (MB/s)																														
Memory (MB/s)																														
RAM Read Access Time (1/ns)																														
RAM Write Access Time (1/ns)																														
3Dbench v1.6																														
Doom v1.9x timedemo1 (fps)																														
Pc3bench v1.04 (arb. units)																														
[VESA Modus 100 (640x400 (bpp 16B))]																														
Quake v1.06 timedemo1 (fps)																														
[640x480, full screen, console off]																														
WINDOWS 98SE																														
SuperPi v1.1 [128k digits] (1/sec.)																														
Ziff-Davis Winbench96																														
CPUMark32 v1.0																														
Graphics WinMark v1.0																														
Ziff-Davis Winbench99																														
CPUMark99 Stand-alone v1.0																														
FPU WinMark99 v1.1																														
Ziff-Davis 3D Winbench97																														
3D Winmark v1.0																														
WinTune98 (2x)																														
Integer (MIPS)																														
Floating Point (MFLOPS)																														
Video 2D (Mpixels/s)																														
Direct3D (Mpixels/s)																														
OpenGL (Mpixels/s)																														
Memory (MB/s)																														
Sandra99																														
CPU: Dhrystone (MIPS)																														
CPU: Whetstone (MFLOPS)																														
MMX/3DNow: Integer (i/s)																														
MMX/3DNow: Floating Point (f/s)																														
Memory: ALU Bandwidth (MB/s)																														
Memory: FPU Bandwidth (MB/s)																														
PassMark v4.0																														
2D Graphics Mark																														
Memory Mark																														
Math Mark																														
Math Max MFLOPS																														
SSE/3DNow!																														
MMX Mark																														
Integer Addition																														
Integer Subtraction																														
Integer Multiplication																														
Integer Division																														
FPU Addition																														
FPU Subtraction																														
FPU Multiplication																														
FPU Division																														
3DMark99Max [800x600x16bit]																														
Graphics 3DMarks																														
CPU 3DMarks																														
Final Reality v1.01																														
Direct3D - Overall																														
Software - Overall																														
Direct3D - 2D																														
Direct3D - 3D																														
Direct3D - Bus																														
Software - 3D																														
MDK Performance - Direct3D																														
MDK Performance - Software																														
Quake II v3.20 [640x480, no 8-bit]																														
Timedemo1 - OpenGL (fps)																														
Timedemo1 - Software (fps)																														

866 Benchmark Comparison		108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123
(Normalised)		CPU Type:															
Operating Frequency:		Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Intel P55C	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6
FSB/Multiplier:		133 MHz ²	166 MHz ²	200 MHz ²	233 MHz ²	262 MHz ²	300 MHz ² ^c	250 MHz ³	262 MHz ²	300 MHz ³	133 MHz / 256kb ³	150 MHz / 256kb ³	166 MHz / 256kb ³	180MHz / 256kb ³	200 MHz / 256kb ³	210 MHz / 256kb ³	233 MHz / 256kb ³
L1/2 Cache Type:		32KB-split	32KB-split	32KB-split	32KB-split	32KB-split	32KB-split	32KB-split	32KB-split	32KB-split	16KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB
Model/S-spec:		SL27S	SL27S	SL27S	SL27S	SL27S	SL27S	SL27S	SL27S	SL27S	SL22T	SL22T	SL22T	SL22T	SL22T	SL22T	SL22T
CPUID (Type, Family, Model, Stepping):		0543	0543	0543	0543	0543	0543	0543	0543	0543	0819	0819	0819	0819	0819	0819	0819
DOS 7.10																	
1	Symantec Sysinfo v8.0	0.57	0.71	0.86	1.00	1.12	1.29	1.08	1.13	1.29	0.42	0.47	0.53	0.59	0.57	-	-
2	PiDOS (75k digits) (1/sec.)	0.60	0.73	0.87	1.00	1.12	1.27	1.09	1.14	1.32	0.72	0.80	0.89	0.96	1.07	1.12	1.23
Landmark v2.0																	
3	Integer ALU (Mhz)	0.57	0.71	0.86	1.00	1.12	1.29	1.07	1.13	1.29	0.57	0.64	0.71	0.76	0.85	0.89	0.99
4	Floating-point FPU (Mhz)	0.57	0.72	0.86	1.00	1.13	1.29	1.08	1.13	1.29	0.52	0.58	0.65	0.70	0.78	0.81	0.91
5	Video (char/sec)	1.00	1.00	1.00	1.00	1.12	1.12	1.00	1.12	1.00	0.45	0.41	0.45	0.45	0.50	0.45	0.50
ByteMark v2, 32-bit DOS																	
6	Numeric Sort (iterations/sec)	0.60	0.74	0.88	1.00	1.12	1.28	1.10	1.13	1.32	0.54	0.60	0.67	0.73	0.81	0.85	0.94
7	String Sort (iterations/sec)	0.54	0.69	0.87	1.00	1.10	1.29	1.09	1.10	1.26	0.48	0.56	0.61	0.66	0.74	0.77	0.86
8	Bitfield (millions of iterations/sec)	0.57	0.72	0.85	1.00	1.13	1.28	1.07	1.13	1.29	0.97	1.10	1.22	1.31	1.46	1.53	1.71
9	FP Emulation (iterations/sec)	0.57	0.72	0.86	1.00	1.13	1.29	1.08	1.13	1.30	0.46	0.52	0.58	0.63	0.69	0.73	0.81
10	Fourier (iterations/sec)	0.57	0.72	0.86	1.00	1.13	1.29	1.08	1.13	1.29	0.61	0.68	0.71	0.82	0.91	0.96	1.06
11	Assignment (iterations/sec)	0.60	0.73	0.88	1.00	1.12	1.29	1.10	1.11	1.31	1.27	1.43	1.58	1.71	1.91	1.98	2.21
12	IDEA (iterations/sec)	0.58	0.72	0.86	1.00	1.12	1.28	1.09	1.12	1.30	0.61	0.68	0.76	0.81	0.90	0.95	1.06
13	Huffman (iterations/sec)	0.58	0.72	0.86	1.00	1.12	1.28	1.08	1.12	1.29	0.86	0.97	1.08	1.17	1.29	1.36	1.51
14	Neural Net (iterations/sec)	0.56	0.70	0.84	1.00	1.12	1.29	1.07	1.13	1.29	0.69	0.77	0.86	0.92	1.04	1.09	1.22
15	LU Decomposition (Iter/sec)	0.95	0.76	0.90	1.00	1.13	1.28	1.77	1.14	1.31	0.43	0.48	0.53	0.58	0.64	0.67	0.82
16	Integer Index (% of Pentium 90)	0.58	0.72	0.87	1.00	1.12	1.28	1.09	1.12	1.30	0.69	0.78	0.87	0.94	1.04	1.09	1.22
	Floating-point Index (% of P90)	0.67	0.73	0.87	1.00	1.13	1.27	1.27	1.13	1.30	0.56	0.63	0.70	0.76	0.85	0.89	0.98
17	Roy Longbottom Dhrystone v1.1	0.66	0.78	0.89	1.00	1.12	1.24	1.12	1.06	1.28	0.72	0.52	0.91	0.98	1.08	1.14	1.26
Dhrystone (iVAX MIPS Rating)																	
Ray Longbottom Whetstone																	
18	WHETCOO, MWIPS (MFLOPS)	0.57	0.72	0.86	1.00	1.13	1.29	1.08	1.13	1.30	0.70	0.79	0.87	0.94	1.05	1.10	1.22
19	N1, Floating Point (MFLOPS)	0.57	0.72	0.86	1.00	1.13	1.29	1.08	1.13	1.29	0.53	0.60	0.67	0.72	0.80	0.84	0.92
20	N2, Floating Point (MFLOPS)	0.57	0.71	0.86	1.00	1.12	1.29	1.08	1.12	1.29	0.73	0.83	0.92	1.00	1.11	1.16	1.31
21	N3, If Then Else (MOPS)	0.58	0.71	0.86	1.00	1.12	1.29	1.07	1.13	1.28	0.26	0.29	0.32	0.35	0.38	0.40	0.45
22	N4, Fixed Point (MOPS)	0.57	0.72	0.86	1.00	1.13	1.29	1.08	1.12	1.29	1.71	0.44	2.13	2.29	2.57	2.67	2.97
23	N5, Sine, Cosine (MOPS)	0.58	0.73	0.87	1.00	1.14	1.30	1.09	1.15	1.31	0.52	0.68	0.65	0.70	0.78	0.82	0.91
24	N6, Floating Point (MFLOPS)	0.57	0.71	0.86	1.00	1.12	1.29	1.08	1.13	1.29	0.89	1.00	1.11	1.20	1.33	1.40	1.68
25	N7, Assignments (MOPS)	0.57	0.72	0.87	1.00	1.14	1.30	1.08	1.13	1.30	1.48	1.68	1.87	1.99	2.21	2.36	2.62
26	N8, Exp, Sqrt, etc (MOPS)	0.58	0.72	0.86	1.00	1.12	1.28	1.07	1.12	1.29	0.54	0.61	0.67	0.73	0.80	0.84	0.94
Speedsys v4.78																	
27	Total Score	0.57	0.71	0.86	1.00	1.13	1.29	1.07	1.13	1.29	0.79	0.89	0.99	1.07	1.19	1.25	1.39
28	Video Memory Bandwidth (MB/s)	1.00	1.00	1.00	1.00	1.08	1.08	0.99	0.92	0.99	0.32	0.29	0.32	0.32	0.35	0.32	0.36
29	System Memory Bandwidth (MB/s)	1.11	1.11	1.11	1.00	1.25	1.25	2.55	2.18	1.46	0.83	0.75	0.83	0.75	0.83	0.75	0.83
30	Max of Ave L1 Cache (MB/s)	0.60	0.73	0.87	1.00	1.13	1.27	1.06	1.10	1.26	1.10	1.24	1.37	1.49	0.40	1.73	1.92
31	Max of Ave L2 Cache (MB/s)	0.93	0.93	1.00	1.00	1.13	1.14	1.22	0.98	1.32	1.05	1.18	1.32	1.42	1.58	1.65	1.84
32	Max of Ave RAM Throughput (MB/s)	1.04	1.04	1.06	1.00	1.19	1.19	1.20	0.93	1.24	0.62	0.59	0.65	0.61	0.68	0.61	0.68
33	Ave L1 Cache (MB/s)	0.60	0.73	0.87	1.00	1.13	1.27	1.06	1.10	1.26	1.10	1.24	1.37	1.49	1.65	1.73	1.92
34	Ave L2 Cache (MB/s)	0.83	0.87	0.97	1.00	1.12	1.18	1.18	1.03	1.32	1.48	1.67	1.86	2.01	2.23	2.34	2.60
35	Ave RAM Cache (MB/s)	0.95	0.98	1.05	1.00	1.20	1.25	1.16	0.95	1.25	0.86	0.82	0.91	0.85	0.94	0.85	0.95
36	Max L1 Cache (MB/s)	0.57	0.71	0.86	1.00	1.12	1.29	1.08	1.13	1.29	0.78	0.87	0.97	1.05	1.16	1.22	1.36
37	Max L2 Cache (MB/s)	0.75	0.75	0.92	1.00	1.12	1.22	1.13	1.13	1.39	1.60	1.80	2.00	2.16	2.40	2.52	2.80
38	Max RAM Cache (MB/s)	0.83	0.91	1.05	1.00	1.25	1.29	1.36	1.24	1.57	0.84	0.81	0.90	0.89	0.99	0.89	0.99
39	MMX Ave L1 Cache (MB/s)	0.65	0.76	0.88	1.00	1.12	1.25	1.04	1.05	1.22	-	-	-	-	-	-	-
40	MMX Ave L2 Cache (MB/s)	0.93	0.93	1.00	1.00	1.13	1.14	1.22	0.99	1.32	-	-	-	-	-	-	-
41	MMX Ave RAM Cache (MB/s)	0.96	0.96	0.98	1.00	1.10	1.13	1.11	0.86	1.14	-	-	-	-	-	-	-
42	MMX Max L1 Cache (MB/s)	0.57	0.71	0.86	1.00	1.12	1.29	1.07	1.13	1.29	-	-	-	-	-	-	-
43	MMX Max L2 Cache (MB/s)	0.89	0.89	1.00	1.00	1.12	1.16	1.35	1.13	1.51	-	-	-	-	-	-	-
44	MMX Max RAM Cache (MB/s)	1.00	1.00	1.00	1.00	1.12	1.12	1.17	0.94	1.25	-	-	-	-	-	-	-
Cachechk v7.0																	
45	L1 Cache (MB/s)	0.57	0.72	0.86	1.00	1.12	1.29	1.08	1.13	1.30	0.48	0.54	0.60	0.65	0.72	0.75	0.84
46	L2 Cache (MB/s)	0.67	0.75	0.92	1.00	1.12	1.25	1.14.									

686 Benchmark Comparison																
(Normalised)		CPU Type:	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium Pro P6	Pentium II OD	Pentium II OD	Intel PII	Intel PII	Intel PII	Intel PII	Intel PII	Intel PII	Intel PII	Intel PII
Operating Frequency:		133 MHz / 1 MB ¹	166 MHz / 1 MB ¹	200 MHz / 1MB ¹	233 MHz / 1 MB ¹	300 MHz ⁴	333 MHz ⁴	333 MHz ⁴	133 MHz ⁴	166 MHz ⁴	200 MHz ⁴	233 MHz ⁴	266 MHz ⁴	300 MHz ⁴	350 MHz ⁴	400 MHz ⁴
FSB/Multiplier:		66 / 2.0x	66 / 2.5x	66 / 3.0x	66 / 3.5x	60 / 5.0x	66 / 5.0x	66 / 5.0x	66 / 2.0x (5x)	66 / 2.5x	66 / 3.0x	66 / 3.5x	66 / 4.0x	100 / 3.0x	100 / 3.5x	100 / 4.0x
L1/2 Cache Type:		16KB split WB	16KB split WB	16KB split WB	16KB split WB	32K L1 / 512K L2	32K L1 / 512K L2	32K L1 / 512K L2	32K L1 / 256K L2	32K L1 / 256K L2	32K L1 / 256K L2	32K L1 / 512K L2	32K L1 / 512K L2	32K L1 / 512K L2	32K L1 / 512K L2	32K L1 / 512K L2
Model/S-spec:		SL25A	SL25A	SL25A	SL25A	SL3EA	SL3EA	SL3EA	SL269	SL269	SL269	SL269	SL269	SL269	SL269	SL269
CPUID (Type, Family, Model, Stepping):		0619	0619	0619	0619	1632	1632	0634	0634	0634	0634	0634	0634	0634	0634	0634
DOS 7.10																
Symantec Sysinfo v8.0																
PiDOS [75k digits] (1/sec.)																
Landmark v2.0																
Integer ALU (Mhz)																
Floating-point FPU (Mhz)																
Video (char/sec)																
Bytemark v2, 32-bit DOS																
Numeric Sort (iterations/sec)																
String Sort (iterations/sec)																
Bitfield (millions of iterations/sec)																
FP Emulation (iterations/sec)																
Fourier (iterations/sec)																
Assignment (iterations/sec)																
IDEA (iterations/sec)																
Huffman (iterations/sec)																
Neural Net (iterations/sec)																
LU Decomposition (iter/sec)																
Integer Index (% of Pentium 90)																
Floating-point Index (% of P90)																
Roy Longbottom Dhrystone v1.1																
Dhrystone (iVAX MIPS Rating)																
Roy Longbottom Whetstone																
WHETCO, MWIPS (MFLOPS)																
N1, Floating Point (MFLOPS)																
N2, Floating Point (MFLOPS)																
N3, If Then Else (MOPS)																
N4, Fixed Point (MOPS)																
N5, Sine, Cosine (MOPS)																
N6, Floating Point (MFLOPS)																
N7, Assignments (MOPS)																
N8, Exp, Sqrt, etc (MOPS)																
Speedsys v4.78																
Total Score																
Video Memory Bandwidth (MB/s)																
System Memory Bandwidth (MB/s)																
Max of Ave L1 Cache (MB/s)																
Max of Ave L2 Cache (MB/s)																
Max of Ave RAM Throughput (MB/s)																
Ave L1 Cache (MB/s)																
Ave L2 Cache (MB/s)																
Ave RAM Cache (MB/s)																
Max L1 Cache (MB/s)																
Max L2 Cache (MB/s)																
Max RAM Cache (MB/s)																
MMX Ave L1 Cache (MB/s)																
MMX Ave L2 Cache (MB/s)																
MMX Ave RAM Cache (MB/s)																
MMX Max L1 Cache (MB/s)																
MMX Max L2 Cache (MB/s)																
MMX Max RAM Cache (MB/s)																
Cachecrk v7.0																
L1 Cache (MB/s)																
L2 Cache (MB/s)																
Memory (MB/s)																
RAM Read Access Time (1/ns)																
RAM Write Access Time (1/ns)																
Bench v1.0c																
Doom v1.9e timdemo1 (fps)																
Pcpbench v1.04 (arb. units)																
[VESA Modus 100 (640x400) 8bpp LFB]]																
Quake v1.06 timdemo1 (fps)																
[640x480, full screen, console off]																
WINDOWS 98SE																
SuperPi v1.1 [128k digits] (1/sec.)																
Ziff-Davis Winbench96																
CPUMark32 v1.0																
Graphics WinMark v1.0																
Ziff-Davis Winbench99																
CPUMark99 Stand-alone v1.0																
FPU WinMark99 v1.1																
Ziff-Davis 3D Winbench97																
3D Winmark v1.0																
WinTune98 (2x)																
Integer (MIPS)																
Floating Point (MFLOPS)																
Video 2D (Mpixels/s)																
Direct3D (Mpixels/s)																
OpenGL (Mpixels/s)																
Memory (MB/s)																
Sandra99																
CPU: Dhrystone (MIPS)																
CPU: Whetstone (MFLOPS)																
MMX/3DNow: Integer (i/s)																
MMX/3DNow: Floating Point (f/s)																
Memory: ALU Bandwidth (MB/s)																
Memory: FPU Bandwidth (MB/s)																
PassMark v4.0																
2D Graphics Mark																
Memory Mark																
Math Mark																
Math Max MFLOPS																
SSE/3DNow!																
MMX Mark																
Integer Addition																
Integer Subtraction																
Integer Multiplication																
Integer Division																
FPU Addition																
FPU Subtraction																
FPU Multiplication																
FPU Division																
3DMark99Max [800x60016bit]																
Graphics 3Dmarks																
CPU 3Dmarks																
Final Reality v1.01																
Direct3D - Overall																
Software - Overall																
Direct3D - 2D																
Direct3D - 3D																
Direct3D - Bus																
Software - 3D																
MDK Performance - Direct3D																
MDK Performance - Software																
Quake II v3.20 [640x480, no 8-bit]																
Timedemo1 - OpenGL (fps)																
Timedemo1 - Software (fps)																
Integer																
Floating Point																
Overall Performance																

686 Benchmark Comparison (Normalised)		140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155
CPU Type:		Intel PIII - Kat	Intel PIII - Cop	Celeron	Celeron	Celeron	Pentium II Xeon	Pentium II Xeon	Pentium II Xeon	Pentium II Xeon	Pentium III Xeon	Pentium III Xeon	Winchip C6	Winchip C6	Winchip2	Winchip2	Winchip2
Operating Frequency:		600 MHz ⁴	600 MHz ⁴	300 MHz ⁴	400 MHz ⁴	450 MHz ⁴	400 MHz / 512kb ¹⁰	450 MHz / 512kb ¹⁰	400 MHz / 2048kb ¹⁰	450 MHz / 2048kb ¹⁰	500 MHz / 512kb ¹⁰	550 MHz / 512kb ¹⁰	133 MHz ²	200 MHz ²	133 MHz ²	133 MHz ^{2 C}	166 MHz ²
FSB/Multiplier:		100/ 6.0x	100/ 6.0x	66/ 4.5x	66/ 6.0x	100/ 4.5x	100 / 4.0x	100 / 4.5x	100 / 4.0x	100 / 4.5x	100 / 5.0x	100 / 5.5x	64Kb-split WB	64Kb-split WB	64Kb-split WB	64Kb-split WB	64Kb-split WB
L1/2 Cache Type:		32K L1 / 512K L2	32K L1 / 256K L2	32K L1 / 128K L2	32K L1 / 128K L2	32K L1 / 128K L2	32KB-split WB	32KB-split WB	32KB-split WB	32KB-split WB	32KB-split WB	32KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB
Model/S-spec:		SL3JM	SL44Y	SL32A	SL39Z	SL32A	SL2XJ	SL2XJ	Q11ES	Q11ES	SL3LM	SL3LM	PSME200GA	PSME200GA	W2A	W2A	W2A
CPUID (Type, Family, Model, Stepping):		0673	0683	0660	0660	0660	0653	0653	0653	0653	0673	0673	0541	0541	0587	0587	0587
DOS 7.10																	
1	Symantec Sysinfo v8.0	-	-	0.95	1.27	1.43	1.27	1.43	1.27	1.43	1.59	1.74	0.37	0.55	0.37	0.37	0.46
2	PiDOS [75k digits] (1/sec.)	3.08	3.08	1.61	2.11	2.39	2.11	2.31	2.11	2.39	2.55	2.85	0.49	0.73	0.52	0.54	0.65
Landmark v2.0																	
3	Integer ALU (Mhz)	2.57	2.57	1.28	1.71	1.93	1.71	1.92	1.71	1.92	2.13	2.34	0.36	0.54	0.41	0.41	0.52
4	Floating-point FPU (Mhz)	2.70	2.68	1.35	1.79	2.03	1.61	1.80	1.61	1.80	2.00	2.20	0.03	0.42	0.31	0.31	0.39
5	Video (char/sec)	0.97	0.97	0.73	0.73	0.97	0.84	0.84	0.84	0.84	0.95	0.95	1.00	1.00	0.74	1.00	1.00
Bytemark v2. 32-bit DOS																	
6	Numeric Sort (iterations/sec)	2.31	2.50	1.23	1.64	1.84	1.64	1.79	1.59	1.79	1.97	2.17	0.33	0.50	0.35	0.35	0.43
7	String Sort (iterations/sec)	2.78	2.81	1.39	1.85	2.09	1.85	2.08	1.85	2.09	2.32	2.56	0.48	0.71	0.50	0.50	0.62
8	Bitfield (millions of iterations/sec)	4.44	4.44	2.22	2.96	3.34	2.95	3.32	2.94	3.31	3.69	4.06	0.36	0.55	0.46	0.46	0.58
9	FP Emulation (iterations/sec)	2.12	2.12	1.05	1.40	1.58	1.40	1.58	1.40	1.57	1.75	1.92	0.44	0.67	0.50	0.50	0.62
10	Fourier (iterations/sec)	2.92	2.91	1.46	1.94	2.19	1.94	2.19	1.94	2.18	2.42	2.67	0.18	0.27	0.23	0.23	0.28
11	Assignment (iterations/sec)	5.06	5.80	2.84	3.78	4.28	3.69	4.05	3.59	4.04	4.43	4.88	0.36	0.53	0.52	0.52	0.65
12	IDEA (iterations/sec)	2.74	2.74	1.37	1.82	2.05	1.82	2.05	1.82	2.05	2.28	2.50	0.36	0.53	0.50	0.50	0.62
13	Huffman (iterations/sec)	3.92	3.93	1.93	2.61	2.95	2.60	2.93	2.60	2.94	3.26	3.57	0.42	0.63	0.59	0.59	0.73
14	Neural Net (iterations/sec)	3.66	3.65	1.78	2.29	2.59	2.29	2.76	2.29	2.75	2.87	3.34	0.17	0.25	0.36	0.36	0.45
15	LU Decomposition (iter/sec)	5.22	-	3.48	4.48	5.13	4.28	4.51	4.10	4.51	4.84	5.40	0.42	0.61	0.71	0.71	0.89
16	Integer Index (% of Pentium 90)	3.18	3.30	1.62	2.17	2.45	2.16	2.41	2.14	2.41	2.67	2.94	0.39	0.58	0.48	0.48	0.60
17	Floating-point Index (% of P90)	3.83	3.83	2.09	2.72	3.08	2.67	3.01	2.64	3.01	3.24	3.64	0.23	0.35	0.39	0.39	0.48
Roy Longbottom Dhrystone v1.1																	
	Dhryv100 (VAX MIPS Rating)	3.28	3.33	1.63	2.18	2.46	2.14	2.40	2.12	2.40	2.73	2.98	0.46	0.68	0.47	0.47	0.58
Roy Longbottom Whetstone																	
18	WHETCOO, MWIPS (MFLOPS)	3.17	3.18	1.59	2.11	2.39	2.11	2.37	2.11	2.37	2.63	2.90	0.18	0.26	0.31	0.31	0.39
19	N1, Floating Point (MFLOPS)	2.41	2.44	1.21	1.60	1.82	1.60	1.81	1.62	1.81	2.01	2.20	0.18	0.27	0.47	0.47	0.59
20	N2, Floating Point (MFLOPS)	3.37	3.37	1.66	2.23	2.52	2.23	2.49	2.23	2.52	2.79	3.07	0.21	0.31	0.51	0.51	0.63
21	N3, If Then Else (MOPS)	1.15	1.15	0.58	0.77	0.87	0.77	0.87	0.77	0.86	0.96	1.05	0.35	0.53	0.39	0.39	0.49
22	N4, Fixed Point (MOPS)	7.81	7.78	3.90	5.11	5.82	5.09	5.79	5.11	5.74	6.45	7.08	0.31	0.47	0.78	0.78	0.97
23	N5, Sine, Cosine (MOPS)	2.35	2.37	1.18	1.58	1.77	1.57	1.77	1.57	1.77	1.95	2.15	0.12	0.18	0.19	0.19	0.24
24	N6, Floating Point (MFLOPS)	4.02	4.02	2.00	2.68	3.02	2.67	3.01	2.67	3.00	3.33	3.67	0.22	0.33	0.53	0.53	0.66
25	N7, Assignments (MOPS)	6.89	6.87	3.41	4.48	5.09	4.55	5.06	4.46	5.07	5.62	6.18	0.22	0.32	0.47	0.47	0.58
26	N8, Exp, Sqrt, etc (MOPS)	2.43	2.43	1.22	1.62	1.82	1.61	1.82	1.62	1.81	2.02	2.22	0.14	0.20	0.18	0.18	0.23
Speedsys v4.78																	
28	Total Score	3.96	3.95	1.97	2.59	2.96	2.61	2.94	2.61	2.94	3.28	3.60	0.50	0.75	0.59	0.59	0.74
29	Video Memory Bandwidth (MB/s)	0.85	0.85	0.51	0.51	0.76	0.60	0.60	0.60	0.59	0.67	0.67	1.00	1.00	0.82	1.00	1.00
30	System Memory Bandwidth (MB/s)	3.03	3.78	2.44	2.53	3.63	2.89	3.03	2.89	3.03	3.36	3.36	0.78	0.84	0.61	0.72	0.81
31	Max of Ave L1 Cache (MB/s)	5.43	5.43	2.70	3.60	4.07	3.60	4.05	3.60	4.05	4.47	4.92	0.46	0.66	0.60	0.63	0.75
32	Max of Ave L2 Cache (MB/s)	4.14	7.10	3.40	4.49	5.08	3.32	3.60	2.78	3.04	3.86	4.20	0.67	0.85	0.65	0.77	0.85
33	Max of Ave RAM Throughput (MB/s)	2.48	2.89	2.01	2.20	2.51	2.50	2.63	2.50	2.65	2.63	2.71	0.79	0.95	0.72	0.94	0.95
34	Ave L1 Cache (MB/s)	5.43	5.43	2.70	3.60	4.07	3.60	4.05	3.60	4.05	4.47	4.92	0.34	0.48	0.58	0.60	0.73
35	Ave L2 Cache (MB/s)	3.58	8.89	3.47	4.67	5.29	2.86	3.34	2.89	3.26	3.52	3.89	0.79	1.01	0.71	0.82	0.89
36	Ave RAM Cache (MB/s)	2.36	2.58	1.88	1.98	2.48	1.91	1.90	1.90	1.91	1.90	1.91	1.01	1.23	0.74	0.91	0.95
37	Max L1 Cache (MB/s)	3.70	3.70	1.85	2.46	2.78	2.46	2.77	2.46	2.77	3.07	3.38	0.18	0.28	0.57	0.57	0.72
38	Max L2 Cache (MB/s)	3.31	9.08	3.39	4.52	5.11	2.42	2.62	2.33	2.62	2.87	3.16	0.82	0.99	0.90	1.01	1.09
39	Max RAM Cache (MB/s)	2.58	3.03	2.01	2.02	3.03	1.80	1.77	1.78	1.78	1.77	1.79	1.37	1.67	0.83	0.99	1.05
40	MMX Ave L1 Cache (MB/s)	4.50	4.50	2.24	2.99	3.37	2.98	3.36	2.98	3.36	3.73	4.10	0.59	0.86	0.78	0.82	0.98
41	MMX Ave L2 Cache (MB/s)	4.14	7.10	3.40	4.49	5.08	3.32	3.60	2.78	3.04	3.86	4.20	0.67	0.85	0.65	0.82	0.85
42	MMX Ave RAM Cache (MB/s)	2.29	2.68	1.86	2.03	2.32	2.32	2.44	2.32	2.45	2.44	2.50	0.73	0.88	0.67	0.86	0.88
43	MMX Max L1 Cache (MB/s)	3.25	3.25	1.62	2.16	2.44	2.16	2.43	2.16	2.43	2.70	2.97	0.55	0.82	0.77	0.77	0.96
44	MMX Max L2 Cache (MB/s)	5.71	6.26	3.40	4.46	5.06	4.53	4.60	3.24	3.48	5.03	5.40					

686 Benchmark Comparison		156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172
(Normalised)		CPU Type:																
Operating Frequency:		200 MHz ²	225 MHz ²	233 MHz ²	240 MHz ²	250 MHz ²	262 MHz ²	233 MHz ²	Winchip2 ³	250 MHz ³	100/ 2.5x	133 MHz ²	166 MHz ²	166 MHz ²	200 MHz ²	208 MHz ²	233 MHz ^{2, C}	200 MHz ³
FSB/Multiplier:		66/ 3.0x	75/ 3.0x	66/ 3.5x	60/ 4.0x	83/ 3.0x	75/ 3.5x	100/ 2.33x	100/ 2.5x	66/ 2.0x	66/ 2.5x	166 MHz ²	166 MHz ²	83/ 2.0x	66/ 3.0x	66/ 3.5x	66/ 3.5x	100/ 2.0x
L1/2 Cache Type:		64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	64KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB	16KB-split WB	128K-split L1	128K-split L1
Model/S-spec:		W2A	W2A	W2A	W2A	W2A	W2A	W2A	W2A	mP6-266	mP6-266	mP6-266	mP6-266	mP6-266	mP6-266	mP6-266	Step 2, Rev. CSA	Step 2, Rev. CSA
CPUID (Type, Family, Model, Stepping):		0587	0587	0587	0587	0587	0587	0587	0587	0504	0504	0504	0504	0504	0504	0504	0662	0662
DOS 7.10																		
1	Symantec Sysinfo v8.0	0.55	0.61	0.64	0.66	0.68	0.72	0.64	0.68	0.89	1.11	1.11	1.33	1.39	1.55	1.34	1.44	1.57
2	PiDOS [75k digits] (1/sec.)	0.78	0.87	0.89	0.91	0.96	1.00	0.91	0.97	1.06	1.28	1.30	1.48	1.57	1.68	1.57	1.95	2.11
3	Landmark v2.0																	
4	Integer ALU (Mhz)	0.62	0.70	0.72	0.74	0.77	0.81	0.73	0.78	1.52	1.90	1.90	2.28	2.38	2.66	2.29	1.49	1.63
5	Floating-point FPU (Mhz)	0.46	0.52	0.54	0.56	0.58	0.61	0.54	0.58	0.71	0.88	0.89	1.06	1.11	1.24	1.08	0.40	0.44
6	Video (char/sec)	1.00	1.12	1.00	0.88	1.23	1.12	1.00	1.00	0.84	0.84	1.06	0.97	1.06	0.97	1.00	0.42	0.42
7	ByteMark v2.32-bit DOS																	
8	Numeric Sort (iterations/sec)	0.51	0.58	0.60	0.62	0.64	0.67	0.61	0.64	0.49	0.60	0.62	0.70	0.75	0.81	0.74	1.04	1.13
9	String Sort (iterations/sec)	0.77	0.86	0.89	0.92	0.96	1.01	0.89	0.96	1.17	1.40	1.48	1.60	1.76	1.82	1.77	1.19	1.30
10	Bitfield (millions of iterations/sec)	0.70	0.78	0.81	0.83	0.87	0.91	0.81	0.87	0.91	1.13	1.13	1.36	1.42	1.58	1.36	1.47	1.61
11	FP Emulation (iterations/sec)	0.75	2.18	0.87	0.90	0.93	0.98	0.88	0.94	0.88	1.10	1.11	1.32	1.38	1.54	1.33	1.45	1.58
12	Fourier (iterations/sec)	0.34	0.38	0.39	0.41	0.42	0.44	0.40	0.42	0.54	0.68	0.68	0.82	0.85	0.95	0.82	0.46	0.50
13	Assignment (iterations/sec)	0.78	0.87	0.89	0.92	0.97	1.01	0.91	0.98	0.76	0.91	0.95	1.08	1.14	1.24	1.14	1.58	1.74
14	IDEA (iterations/sec)	0.74	0.84	0.87	0.89	0.93	0.97	0.83	0.99	1.24	1.48	1.55	1.73	1.48	1.68	1.55	1.49	1.68
15	Huffman (iterations/sec)	0.88	0.98	1.02	1.05	1.09	1.15	1.02	1.10	0.72	0.89	0.90	1.07	1.12	1.24	1.08	1.06	1.81
16	Neural Net (iterations/sec)	0.54	0.61	0.63	0.65	0.68	0.71	0.63	0.68	0.46	0.56	0.57	0.66	0.70	0.77	0.69	0.67	0.73
17	LU Decomposition (iter/sec)	1.04	1.18	1.18	1.21	1.30	1.33	1.26	1.34	0.97	1.16	1.16	1.32	1.45	1.50	1.47	1.14	1.27
18	Integer Index (% of Pentium 90)	0.72	0.81	0.84	0.87	0.90	0.94	0.85	0.91	0.82	1.01	1.03	1.19	1.26	1.37	1.24	1.42	1.55
19	Floating-point Index (% of P90)	0.58	0.65	0.67	0.68	0.72	0.75	0.68	0.73	0.62	0.76	0.77	0.89	0.96	1.03	0.94	0.71	0.78
20	Roy Longbottom Dhrystone v1.1																	
21	CHRYSDO (VAX MIPS Rating)	0.76	0.76	0.89	0.91	0.85	0.87	0.83	0.96	0.67	0.78	0.84	0.93	0.99	1.02	1.01	1.35	1.46
22	Roy Longbottom Whetstone																	
23	WHETCOD, MWIPS (MFLOPS)	0.47	0.53	0.55	0.56	0.59	0.62	0.55	0.59	0.51	0.64	0.39	0.77	0.80	0.89	0.76	0.63	0.68
24	N1, Floating Point (MFLOPS)	0.70	0.79	0.82	0.85	0.88	0.92	0.82	0.88	0.54	0.67	0.42	0.80	0.84	0.93	0.81	0.84	0.93
25	N2, Floating Point (MFLOPS)	0.76	0.85	0.89	0.92	0.95	0.99	0.90	0.95	0.49	0.62	0.62	0.74	0.76	0.86	0.73	0.97	1.04
26	N3, If Then Else (MOPS)	0.59	0.66	0.68	0.69	0.74	0.77	0.68	0.74	0.83	1.01	1.04	1.22	1.31	1.42	1.25	1.46	1.61
27	N4, Fixed Point (MOPS)	1.17	1.30	1.36	1.40	1.45	1.52	1.36	1.45	0.81	1.02	1.02	1.22	1.27	1.42	1.11	2.08	2.28
28	N5, Sine, Cosine (MOPS)	0.28	0.32	0.33	0.34	0.36	0.38	0.33	0.36	0.58	0.73	0.67	0.87	0.91	1.02	0.88	0.38	0.42
29	N6, Floating Point (MFLOPS)	0.79	0.89	0.92	0.95	0.99	1.04	0.89	0.99	0.48	0.60	0.23	0.72	0.75	0.84	0.72	0.93	1.01
30	N7, Assignments (MOPS)	0.70	0.78	0.81	0.84	0.88	0.92	0.81	0.89	0.40	0.49	0.49	0.60	0.61	0.69	0.59	1.19	1.31
31	N8, Exp, Sqrt, etc (MOPS)	0.27	0.31	0.32	0.33	0.34	0.36	0.32	0.34	0.40	0.50	0.50	0.60	0.63	0.70	0.60	0.35	0.39
32	Speedsys v4.78																	
33	Total Score	0.89	0.99	1.03	1.06	1.11	1.16	1.04	1.11	1.04	1.30	1.30	1.56	1.63	1.82	1.56	1.57	1.72
34	Video Memory Bandwidth (MB/s)	1.00	1.08	1.00	0.93	1.15	1.08	0.99	0.99	0.60	0.60	0.75	0.73	0.75	0.73	0.86	0.30	0.30
35	System Memory Bandwidth (MB/s)	0.84	0.95	0.95	0.86	1.05	1.06	2.27	2.27	0.59	0.59	0.74	0.59	0.74	0.59	1.04	1.08	1.14
36	Max of Ave L1 Cache (MB/s)	0.88	0.99	1.00	1.01	1.10	1.13	1.05	1.12	0.83	1.03	1.04	1.24	1.29	1.44	1.25	2.13	2.31
37	Max of Ave L2 Cache (MB/s)	0.93	1.04	0.93	0.86	1.16	1.05	1.05	1.10	0.82	0.82	1.03	0.92	1.03	0.92	1.24	-	-
38	Max of Ave RAM Throughput (MB/s)	0.97	1.09	0.98	0.88	1.22	1.10	1.15	1.18	0.77	0.77	0.96	0.82	0.96	0.82	1.23	1.01	1.02
39	Ave L1 Cache (MB/s)	0.86	0.97	0.99	1.01	1.08	1.12	1.05	1.12	0.83	1.03	1.04	1.24	1.29	1.44	1.25	2.13	2.31
40	Ave L2 Cache (MB/s)	1.02	1.15	1.03	1.01	1.28	1.16	1.40	1.41	0.96	0.96	1.20	1.03	1.20	1.08	1.45	-	-
41	Ave RAM Cache (MB/s)	1.02	1.15	1.03	0.94	1.28	1.16	1.57	1.58	0.86	0.86	1.08	0.92	1.08	0.94	1.38	1.17	1.24
42	Max L1 Cache (MB/s)	0.86	0.97	1.00	1.03	1.07	1.13	1.01	1.08	0.57	0.71	0.71	0.86	0.89	1.00	0.86	2.37	2.58
43	Max L2 Cache (MB/s)	1.33	1.49	1.33	1.35	1.66	1.49	1.65	1.65	1.09	1.09	1.36	1.19	1.36	1.33	1.65	-	-
44	Max RAM Cache (MB/s)	1.17	1.31	1.17	1.05	1.46	1.31	1.75	1.75	1.05	1.05	1.31	1.11	1.31	1.17	1.75	1.67	1.75
45	MMX Ave L1 Cache (MB/s)	1.14	1.29	1.30	1.32	1.43	1.47	1.29	1.37	0.84	1.02	1.05	1.23	1.28	1.42	1.26	2.59	2.82
46	MMX Ave L2 Cache (MB/s)	0.93	1.04	0.93	0.86	1.16	1.05	1.05	1.10	0.82	0.82	1.03	0.92	1.03	0.92	1.24	-	-
47	MMX Ave RAM Cache (MB/s)	0.89	1.01	0.90	0.81	1.13	1.02	1.07	1.09	0.71	0.71	0.89	0.76	0.89	0.76	1.14	0.93	0.95
48	MMX Max L1 Cache (MB/s)	1.15	1.30	1.35	1.39	1.44	1.51	1.35	1.45	0.91	1.13	1.14	1.36	1.42	1.59	1.37	2.96	3.23
49	MMX Max L2 Cache (MB/s)	0.97	1.09	0.97	0.90	1.21	1.09	1.19	1.25	0.89	0.59	1.11	1.03	1.11	1.03	1.35	-	-
50	MMX Max RAM Cache (MB/s)	1.00	1.12	1.00	0.90	1.25	1.12	1.08	1.12	0.69	0.69	0.86	0.70	0.86	0.70	1.17	1.04	1.11
51	Cachex v7.0																	
52	L1 Cache (MB/s)	2.60	2.92	3.03	3.12	3.25	3.41	3.04	3.26	1.73	2.16	2.17	2.60	2.71	3.03	2.61	7.17	7.83
53	L2 Cache (MB/s)	1.34	1.50	1.34	1.36	1.67	1.50	1.65	1.65	1.09	1.09	1.37	1.20	1.37	1.34	1.65	-	-
54	Memory (MB/s)	1.17	1.32	1.17	1.06	1.47	1.32	1.76	1.76	1.05	1.05	1.32	1.11	1.32	1.17	1.76	1.67	1.77
55	RAM Read Access Time (1/ns)	1.17	1.32	1.17	1.06	1.47	1.32	1.74	1.74	1.04	1.04	1.32	1.10	1.32	1.17	1.74	1.67	1.74
56	RAM Write Access Time (1/ns)	0.99	1.13	1.00	0.90	1.26	1.13	1.80	1.80	0.51	0.51	0.64	0.61	0.64	0.61	0.77	0.57	0.57
57	3Dbench v1.0c	0.91	1.03	0.99	0.96	1.15	1.12	0.99	1.02	0.69	0.73	0.86	0.87	0.91	0.94	0.99	0.91	0.94
58	Doom v1.9s timedemo1 (fps)	0.70	0.79	0.76	0.74	0.87	0.85	0.78	0.81	0.88	0.89	1.07	1.01	1.16	1.05	1.08	0.73	0.75
59	Pcgbench v1.04 (arb. units)	0.84	0.95	0.92	0.89	1.06	1.03	0.98	1.02	0.73	0.80	0.91	0.90	1.00	0.97	1.00	0.76	0.78
60	[VESA Modus 100 (640x400 8bpp LFB)]																	
61	Quake v1.06 timedemo1 (fps)	0.82	0.92	0.89	0.85	1.02	0.99	0.93	0.96	0.63	0.69	0.79	0.80	0.86	0.87	0.89	0.66	0.66
62	[640x480, full screen, console off]																	
63	WINDOWS 98SE																	
64	SuperPI v1.1 [128k digits] (1/sec.)	0.57	0.65	0.64	0.66	0.73	0.72	0.71	0.75	0.80	0.92	0.96	1.05	1.16	1.25	1.19	0.49	0.53
65	Ziff-Davis Winbench96																	
66	CPUiMark32 v1.0	0.92	1.04</															

86 Benchmark Comparison (Normalised)		173	174	175	176	177
CPU Type:		VIA C3 Samuel-2 600 MHz ⁶	VIA C3 Ezra 600 MHz ⁶	VIA C3 Nehemiah 600 MHz ⁵	VIA C3 Nehemiah 400 MHz ⁵	VIA C3 Nehemiah 600 MHz ⁵
Operating Frequency:						
FSB/Multiplier:		100 / 6.0x	100 / 6.0x	100 / 6.0x	66 / 6.0x	66 / 9.0x
L1/2 Cache Type:		128k-split L1 / 64k L2	128k-split L1 / 64k L2	128k-split L1 / 64k L2	128k-split L1 / 64k L2	128k-split L1 / 64k L2
Model/S-spec:		Step. 3, Rev. CSB	Step. 8, Rev. CSC	Step. 8, Rev. CSP	Step. 8, Rev. CSP	Step. A, Rev. CSP
CPUID (Type, Family, Model, Stepping):		0673	0678	0698	0698	069A
DOS 7.10						
1	Symantec Sysinfo v6.0	-	-	-	1.00	-
2	PiDOS [75k digits] (1/sec.)	2.24	2.11	2.39	1.64	2.39
Landmark v2.0						
3	Integer ALU (Mhz)	1.62	1.93	1.51	1.00	3.95
4	Floating-point FPU (Mhz)	0.39	0.39	0.42	0.28	0.42
5	Video (char/sec)	0.42	0.42	0.59	0.39	0.42
Bytemark v2, 32-bit DOS						
6	Numeric Sort (iterations/sec)	1.16	1.20	1.39	0.93	1.38
7	String Sort (iterations/sec)	1.45	1.49	2.25	1.48	2.20
8	Bitfield (millions of iterations/sec)	1.78	1.78	2.19	1.45	2.17
9	FP Emulation (iterations/sec)	1.67	1.69	1.86	1.23	1.85
10	Fourier (iterations/sec)	0.50	0.50	0.48	0.32	0.48
11	Assignment (iterations/sec)	1.86	1.58	2.21	1.47	2.19
12	IDEA (iterations/sec)	1.90	1.85	2.06	1.37	2.05
13	Huffman (iterations/sec)	1.80	1.73	1.86	1.23	2.06
14	Neural Net (iterations/sec)	0.90	0.91	1.03	0.67	1.02
15	LU Decomposition (iter/sec)	2.73	2.78	3.57	2.39	3.51
16	Integer Index (% of Pentium 90)	1.64	1.60	1.95	1.29	1.96
17	Floating-point Index (% of P90)	1.08	1.08	1.21	0.80	1.20
Roy Longbottom Dhrystone v1.1						
18	DHRV100 (VAX MIPS Rating)	1.31	1.76	2.24	1.47	2.24
Roy Longbottom Whetstone						
19	WHETCOQ, MWIPS (MFLOPS)	0.65	0.64	0.71	0.47	0.70
20	N1, Floating Point (MFLOPS)	0.96	0.97	1.11	0.72	1.07
21	N2, Floating Point (MFLOPS)	1.10	1.11	1.43	0.93	1.44
22	N3, If Then Else (MOPS)	1.47	1.65	1.84	1.27	1.78
23	N4, Fixed Point (MOPS)	2.00	1.80	2.75	1.82	2.75
24	N5, Sine, Cosine (MOPS)	0.41	0.41	0.40	0.27	0.40
25	N6, Floating Point (MFLOPS)	0.97	0.97	1.50	1.00	1.49
26	N7, Assignments (MOPS)	0.75	0.77	1.36	0.90	1.34
27	N8, Exp, Sqrt, etc (MOPS)	0.37	0.37	0.34	0.22	0.33
Speedsys v4.78						
28	Total Score	1.80	1.82	2.37	1.57	2.40
29	Video Memory Bandwidth (MB/s)	0.30	0.30	0.41	0.27	0.30
30	System Memory Bandwidth (MB/s)	1.01	1.01	2.61	1.85	1.98
31	Max of Ave L1 Cache (MB/s)	2.33	2.33	4.56	3.02	4.53
32	Max of Ave L2 Cache (MB/s)	1.22	1.20	3.79	2.51	3.76
33	Max of Ave RAM Throughput (MB/s)	1.17	1.17	1.49	1.07	1.20
34	Ave L1 Cache (MB/s)	2.33	2.33	4.56	3.02	4.53
35	Ave L2 Cache (MB/s)	1.43	1.34	4.62	3.05	4.58
36	Ave RAM Cache (MB/s)	1.32	1.32	1.89	1.39	1.49
37	Max L1 Cache (MB/s)	2.58	2.58	2.61	1.73	2.59
38	Max L2 Cache (MB/s)	1.61	1.61	4.37	2.89	4.34
39	Max RAM Cache (MB/s)	1.75	1.75	1.77	1.25	1.39
40	MMX Ave L1 Cache (MB/s)	2.97	2.98	4.95	3.28	4.92
41	MMX Ave L2 Cache (MB/s)	1.22	1.20	3.79	2.51	3.76
42	MMX Ave RAM Cache (MB/s)	1.08	1.08	1.38	0.98	1.11
43	MMX Max L1 Cache (MB/s)	3.39	3.39	3.59	2.37	3.56
44	MMX Max L2 Cache (MB/s)	1.13	1.13	2.96	1.96	2.94
45	MMX Max RAM Cache (MB/s)	1.14	1.14	1.38	0.97	1.09
Cachechk v7.0						
46	L1 Cache (MB/s)	7.82	7.82	7.89	5.22	7.83
47	L2 Cache (MB/s)	1.61	1.61	3.43	2.27	3.41
48	Memory (MB/s)	1.77	1.77	1.78	1.25	1.33
49	RAM Read Access Time (1/ns)	1.74	1.74	1.79	1.25	1.34
50	RAM Write Access Time (1/ns)	4.50	0.75	2.05	1.60	1.70
3Dbench v1.0c						
51		1.01	1.01	1.40	0.93	-
52	Doom v1.3s timedemo1 (fps)	0.77	0.77	1.03	0.72	0.84
53	Pcpbench v1.04 (arb. units)	0.77	0.77	1.03	0.69	0.79
[VESA Modus 100 (640x400 8bpp LFB)]						
54	Quake v1.06 timedemo1 (fps)	0.69	0.69	0.91	0.61	0.69
[640x480, full screen, console off]						
WINDOWS 98SE						
55	SuperPi v1.1 [128k digits] (1/sec.)	0.51	0.52	0.69	0.46	0.67
Ziff-Davis Winbench96						
56	CPUMark32 v1.0	2.34	2.41	2.45	1.66	2.25
57	Graphics WinMark v1.0	2.02	2.09	2.07	1.57	2.03
Ziff-Davis Winbench99						
58	CPUMark99 Stand-alone v1.0	2.71	2.76	3.14	2.08	2.96
59	FPU WinMark99 v1.1	1.29	1.29	1.48	0.97	1.45
Ziff-Davis 3D Winbench97						
60	3D Winmark v1.0	2.78	2.86	2.10	1.41	2.02
WinTune98 (2x)						
61	Integer (MIPS)	1.43	1.61	1.88	1.24	1.86
62	Floating Point (MFLOPS)	0.58	0.56	0.57	0.38	0.57
63	Video 2D (Mpixels/s)	0.93	1.16	1.74	1.39	1.59
64	Direct3D (Mpixels/s)	1.02	1.02	1.02	1.01	1.02
65	OpenGL (Mpixels/s)	1.21	1.21	1.20	1.16	1.19
66	Memory (MB/s)	3.12	2.80	4.05	2.55	4.08
Sandra99						
67	CPU: Dhrystone (MIPS)	1.74	1.76	2.12	1.40	2.10
68	CPU: Whetstone (MFLOPS)	0.73	0.71	0.77	0.51	0.76
69	MMX/3DNow: Integer (It/s)	1.22	1.16	1.06	0.70	1.05
70	MMX/3DNow: Floating Point (It/s)	2.19	2.37	2.48	1.65	2.46
71	Memory: ALU Bandwidth (MB/s)	1.14	1.08	1.94	1.45	1.67
72	Memory: FPU Bandwidth (MB/s)	1.35	1.34	2.36	1.74	2.06
PassMark v4.0						
73	2D Graphics Mark	1.23	1.25	1.40	1.17	1.32
74	Memory Mark	1.99	2.06	1.90	1.25	2.15
75	Math Mark	1.69	1.83	2.06	1.37	1.65
76	Math Max MFLOPS	1.75	1.73	2.15	1.42	2.19
77	SSE/3DNow!	-	-	-	-	-
78	MMX Mark	2.47	3.06	3.63	2.43	3.63
79	Integer Addition	1.66	1.91	1.77	1.18	2.09
80	Integer Subtraction	1.68	1.94	1.78	1.19	2.10
81	Integer Multiplication	1.48	1.91	2.30	1.53	2.52
82	Integer Division	2.36	2.14	2.41	1.59	2.45
83	FPU Addition	1.73	1.76	2.31	1.54	0.67
84	FPU Subtraction	1.73	1.76	2.31	1.54	0.67
85	FPU Multiplication	1.73	1.76	2.31	1.54	0.67
86	FPU Division	1.39	1.39	1.67	1.11	1.11
3DMark99Max [800x600x16bit]						
87	Graphics 3DMarks	1.50	1.54	-	-	-
88	CPU 3DMarks	2.76	2.83	-	-	-
Final Reality v1.01						
89	Direct3D - Overall	1.12	1.18	1.48	1.25	1.41
90	Software - Overall	1.24	1.32	1.73	1.29	1.59
91	Direct3D - 2D	1.38	1.49	1.99	1.33	1.72
92	Direct3D - 3D	1.13	1.17	1.18	1.08	1.16
93	Direct3D - Bus	0.58	0.66	1.89	1.90	1.93
94	Software - 3D	1.25	1.23	1.28	1.03	1.28
95	MDK Performance - Direct3D	0.95	1.08	1.09	1.08	1.09
96	MDK Performance - Software	1.37	1.55	2.04	1.44	2.02
Quake II v3.20 [640x480, no 8-bit]						
97	Timedemo1 - OpenGL (fps)	1.34	1.42	1.45	1.24	1.49
98	Timedemo1 - Software (fps)	1.46	1.48	1.87	1.29	1.79
I	Integer	157.8	167.7	198.0	131.6	219.8
F	Floating Point	134.3	136.8	132.6	90.4	119.4
O	Overall Performance	174.3	152.6	207.4	137.1	207.9

- ¹ Biostar MB-8433UUD (UMC 8881F/8886BF)
- ² Biostar MB-8500TTD (Intel 430TX)
- ³ FIC PA-2013 (VIA Apollo MVP3 - 598AT / 586B)
- ⁴ Asus P3V4X (VIA Apollo Pro 133A - 694X / 596B)
- ⁵ Asus TUSL2-C (Intel 815EP)
- ⁶ Gigabyte 6VX7-4X (VIA Apollo Pro 133A - 694X / 686A)
- ⁷ MSI MS-6167 (AMD-750 Irongate - 751 / 756)
- ⁸ Asus P/I-P65UP5 with C-P6ND CPU Card (Intel 440FX)
- ⁹ ECS P5GX-M (MediaGX + CX5530)
- ¹⁰ Asus XG-DLS (Intel 440GX)

^A Tested with 33 MHz FSB & BTB off

^B Tested with BTB off

^C Extrapolated value

^D Measured at 120 MHz (2x60)

^E Tested with Windows NT 4.0 (Matrox driver v5.07)