Data Sheet

We make sure

FUJITSU SIEMENS COMPUTERS

ESPRIMO™ C Series
The ultra small professional PC

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Economy

Sophisticated technologies for best in class economy.

Reduce cost of your professional PC by lowest energy consumption! Software and BIOS power management solutions reduce the overall average power consumption.

Further Total Cost of Ownership reductions are achieved through a comprehensive set of manageability features, sophisticated security solutions and a service friendly cabinet design.

For highest economy, ESPRIMO professional PCs are designed to increase your productivity and to decrease your cost.

Reliability
- Complete system development and manufacturing by Fujitsu Siemens Computers guarantees highest quality
- Platform stability and product continuity with managed lifecycle up to 18 month and chipset diversity

Environment
- Build with specially selected materials, the ESPRIMO Green PC brings economy and ecology in harmony
- From development to production, from transport to recycling –minimize the impact on the environment and limit the use of unrecoverable resources.

Ergonomics
- Sophisticated hardware design with optimized fans and air flow provides most silent system for an efficient working environment
- Best usability and complete quality – service friendly cabinet and easy access to all components

Customizing
- Tailor-made products to meet customer individual requirements
- Freedom of choice with systems which perfectly fit to specific customer

Manageability
- Reduce Total Cost of Ownership with a comprehensive set of system management features
- Easy and remote administration with DeskView client management

Security
- Access and data protection with sophisticated hardware and software components for secure systems
- Protect property – secure hardware and data and limit access with SmartCard Reader

Windows Vista Business

Supports (intel) Core 2 Duo

	C5720
Mainboard	
Chipset	iQ33
Mainboard Number	D2764
Mainboard form factor	proprietary
Processor socket	LGA 775
Front side bus resp. system bus support	800/1066/1333 MHz
BIOS version	Phoenix Vers. 6.0
Flash EPROM BIOS update by software	x
Recovery BIOS	x
Processor	
Intel® Core™2 Duo E6xxx	up to E6850
Second level cache	4MB
Front side bus (FSB)	1333MHz
Intel® Core™2 Duo E4xxx	up to E4600
Second level cache	2MB
Front side bus (FSB)	800MHz
Intel® Pentium™ Dual core E2xxx	up to E2160
Second level cache	1MB
Front side bus (FSB)	800MHz
Intel® Celeron	up to 440
Second level cache	512 KB
Front side bus (FSB)	800 MHz
AMD Athlon™ 64 X2 (socket)	-
Second level cache	-
System Bus support	-
AMD Athlon™ 64 (socket)	-
Second level cache	-
System Bus support	-
AMD Sempron™ (socket)	-
Second level cache	-
System Bus support	-
AMD Athlon™ X2 (socket) Energy efficient	-
Second level cache	-
System Bus support	-
Memory	
Memory support	667/800 MHz
DIMM slots	4
dual channel support	x
Max. capacity DDR2 SDRAM	8GB
for dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules)	
Interfaces	
Mouse/keyboard (PS2)	x / x
Serial (9pi, 16 byte FIFO, 16550 compatible)	powered
Second serial port	powered
Parallel (25pin with EPP and ECP)	optional
Display (15 pin, VGA)	x
DVI	optional
Micro (mono) rear	-
Line in (stereo) rear	x
Line out (stereo) rear	x
Micro (stereo) front	x
Headphone in front	x
LAN RJ45	x
Universal Serial Bus (USB 2.0) in total	10
therefore USB rear	6
USB front	3
USB internal	1
Interfaces add on cards/components	
Dual port RS232 , serial	optional
eSATA cable	optional
Parallel cable (25pin with EPP and ECP)	optional
Multicardreader	-
Input device/components	
USB wheel mouse	-
Optical USB Tilt wheel mouse	x
Optical USB/PS2 Tilt wheel mouse	optional
LAN on board	
10/100/1000 MBit/s	Broadcom BCM5754
Wake up on LAN (WOL)	x
PXE	x
BootP	tested
LAN add on cards	
Gigabit Ethernet, PCI Express x1	-
Gigabit Ethernet, PCI, SysKonnect	optional
Audio on board	
Internal speaker supports audio playback	x
High definition audio	Realtek ALC 262
I/O controller onboard	
Fast IDE/Ultra DMA-100 bus master capability	-
Serial ATA / thereof eSATA	3 / 1
Serial ATA II / 3GBit	x/x
Raid 1/0	-
Drive bays	2
internal 3,5"	1

external 3,5"	-
external 5,25"	1 slim
Floppy disk drive 1.44 MB standard	-
Hard disk drives	
Serial ATA II 80 / 160 / 250 / 500 GB	x/x/x/ Jan08
supporting NCQ and 3GBit (if chipset support is available)	
Optical drives (SATA)	
16/48-speed DVD ROM	-
DVD SuperMulti writer double layer support	optional
Slots	
PCI	1 (174 mm) optional via Riser
PCI Express x16	-
PCI Express x1	-
Graphic on board	Intel® GMA 3100
Shared memory depending on driver	up to 256MB
3D SW interface	DirectX 9
HDCP support	-
Resolution (color depth up to 32 Bit/pixel)	
1024 x 768 (recommended / max*)	85 / 120 Hz
1280 x 1024 (recommended / max*)	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 / 100 Hz
1440 x 900 widescreen TFT (VGA / DVI)	x / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x
1920 x 1200 widescreen TFT (VGA / DVI)	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.	
Graphic add on cards	
NVIDIA GeForce 8400 256 MB, LP (DirectX 10)	-
NVIDIA GeForce FX 7300LE 128MB, LP (DirectX 9)	-
NVIDIA GeForce FX 7300LE 256MB, LP (DirectX 9)	-
NVIDIA GeForce FX 7300LE 128MB (DirectX 9)	-
NVIDIA GeForce FX 7300LE 256MB (DirectX 9)	-
DVI adapter incl. Dual Monitoring (DVI/VGA)	optional via Riser
Dual-DVI adapter incl. Dual Monitoring (DVI/DVI)	-
Electrical values	
Rated voltage range, AC	100 - 240 V
Rated frequency range	50-60 Hz
Operating voltage range, AC	90 - 264 V
Operating line frequency range	47 - 63 Hz
Max. output of power supply	240 W
PFC (power factor correction)	active
Monitor outlet	-
Power consumption for standard configuration (W) / CPU **(1GB memory, HD, ODD, FDD, Operating system)**	Celeron430; E6850
Maximum (S0, running app. CD in use)	66W / 92W
Average (S0, running OS, Idle mode)	53W / 55W
Stand by (S3, energy saving modus, WOL enabled)	1,9 W
Minimum (ACPI status S5, soft off, **WOL enabled**)	1,8 W
Minimum (ACPI status S5, soft off, **wake up power button only**)	-
Heat dissipation (kJ/h / BTU/h) / CPU	E6850
Maximum (S0, running app. CD in use)	331 kJ/h / 314 BTU/h
Average (S0, running OS, Idle mode)	198 kJ/h / 188 BTU/h
Stand by (S3, energy saving modus, WOL enabled)	6,8 kJ/h / 6,5 BTU/h
Minimum (ACPI status S5, soft off, **WOL enabled**)	6,5 kJ/h / 6,1 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h	
Noise for standard configuration (HDD, ODD, FDD)	Celeron430; E6850
A weighted sound **power level Lwad** (in B) / Workplace related A-weighted sound **pressure level LpAm** (in dB(A)), (bystander position) (ISO9296)	
Operation mode 1: ODD load (Blue angel requirement)	4,7B / 32dB ; 4,7B / 33dB
Operation mode 2: HDD load (Blue angel requirement)	3,6B / 21dB ; 3,6B / 21dB
Operation mode 3: CPU 90% load (Blue angel requirement)	3,6B / 21dB ; 4,0B / 25dB
Operation mode 4: High load	3,7B / 21dB ; 4,0B / 25dB
Operation mode 5: Office applications	3,7B / 21dB ; 3,7B / 21dB
Idle mode (Blue angel requirement)	3,5B / 19dB ; 3,5B / 21dB
Ambient temperature (IEC 721)	15°C'- 35°C
Dimensions	93 x 292 x 325 mm
Operating position (vertical/horizontal)	x / x (feet included)
Weight (depending on config)	approx. 7 kg
Approvals and standards	
CE certification	x
according to EU Directives 89/336/EEC (EMC) and 06/95/EC (Product safety)	
Ergonomics	x
ISO9241 (GS mark)	
Product safety	x
IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	
Electromagn. compatibility	x
EN55022/B, FCC class B, EN55024, EN61000-3-2/3	
Environmental compatibility	
RoHS (Restriction of hazardous substances)	x
WEEE (Waste electrical and electronical equipment)	x
Energy Star	-
Blue Angel 2007	-
Nordic Swan	-

Med certification according to EN60950 and EN60601-1-	x
Software (compatibility / preinstalled)	
Microsoft Windows 2000	for projects
Microsoft Windows XP Home	x / -
Microsoft Windows XP Professional	x / opt (TwinLoad)
Microsoft Windows XP Professional x64 Edition	x / -
Microsoft Windows Vista® 32bit	x / optional
Microsoft Windows Vista® 64bit	x / optional
Microsoft Windows Vista® Basic Logo (min. 512MB RAM necessary)	x
Microsoft Windows Vista® Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	x
Linux certified	-
Additional Software	
Recovery DVD (Microsoft Windows XP / Vista)	optional
Drivers and Utility DVD (DUDVD) (Microsoft Windows XP / Vista)	optional
XONTROL (noise reduction for optical drives)	x
Others	
Thermal Management	x
Keyboard on (Fujitsu Siemens Computers keyboard required)	x
Spare part availability	5 years
Compatibility (references)	
Microsoft Operating Systems (HCT / HCL entry)	x
PC 2001, DMI 2.0, WMI 1.5, USB 2.0	x
Manageability	
ASF 2.0 (Alert Standard Format)	x
iAMT Intel Active Manageability Technology (not activated, not provisioned, for Win XP Prof and Vista Business only)	-
DeskView 10.x client management including:	
On/Offline remote client management	x
Detailed system inventory management and reports	x
BIOS Management	x
Remote power management	x
System notifications	x
Advanced alerts (ASF implementation)	x
Security Remote Control	x
DeskView Helpdesk Integration	x
DeskUpdate Driver management	x
DeskView Migrate	optional
DeskView Control	optional
PXE 2.1 Boot code	x
BootP Boot Code including Bootmanage Administrator Software	tested
Wake up from S5 (off mode)	x
Intrusion switch	optional
Security	
Physical Security implemented in the cabinet	
Prepared for Kensington lock, eye for padlock	x
Integrated cabinet lock	optional
System Security	
Boot sector virus protection	x
Write protect option for the Flash EPROM	x
Embedded security (TPM1.2)	Infineon
Control of all USB interfaces / external USB interfaces detachable separately	x / x
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	x
Control of external interfaces	x
User Security	
User and supervisor BIOS password	x
SystemLock 2 BIOS SmartCard Security	x
Hard disk password	x
Access protection via external SmartCard reader	optional
Access protection via internal SmartCard reader	optional
Serviceability	
FlexySlot	x
EasyFix	x
EasyChange (for HDD / for optical drives)	x / -
EasyPull	x
Packaging information	
Dimension outside (H x W x D) in mm	398x300x520
Max. quantity/ pallet	32
Material/ weight in g	
Carton	880g
EPS / PS	250g
PE	appr. 60g
printed user documentation is bleached in chlorine free process	
Logos	

Recycling information/ End of life service information
product is designed for easy recyclability
information about take back and recycling can be found here
http://www.fujitsu-siemens.com/recycling
information about environmental initiatives, policies, programs and goals can be found here
http://www.fujitsu-siemens.com/aboutus
Product material information
for all restricted substances see the Environmental guideline FSC03230

The data reflects laboratory performance only. The customer configuration may perform differently, depending on the software, components and peripherals connected.

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