

# TOSHIBA

## Satellite® 2805 Series

Outstanding Multimedia performance and Connectivity in a Mobile PC

### Model(s):

#### Satellite 2805-S503

- PIII 900MHz/15.0" TFT/128MB/20GB/DVD/Mdm/LAN

#### Satellite 2805-S603

- PIII 1000MHz/15.0" TFT/256MB/30GB/DVD-ROM/CD-RW/Mdm/LAN

### Model(s):

#### Satellite 2805-S503

- PIII 900MHz/15.0" TFT/128MB/20GB/DVD/Mdm/LAN

#### Satellite 2805-S603

- PIII 1000MHz/15.0" TFT/256MB/30GB/DVD-ROM/CD-RW/Mdm/LAN

### Product Highlights

- Performance**
  - Intel Pentium III 900MHz or 1GHz (1000MHz) processor featuring Intel® SpeedStep™ Technology
  - 128MB or 256MB expandable to 384MB
- All-in-one design
  - 20.0GB or 30.0GB hard disk drive
  - DVD-ROM or DVD-ROM/CDRW
  - 3.5" 1.44MB floppy diskette drive
- Great Features**
  - 15.0" TFT active-matrix display
  - 16MB NVIDIA DDR VRAM video memory
- Get On-Line**
  - Integrated V.90 56K modem
  - Integrated 10/100 Ethernet LAN

### System Characteristics

#### Processor

Intel Pentium III 900MHz (2805-S503) or 1GHz (1000MHz) (2805-S603) processor featuring Intel® SpeedStep™ Technology  
Integrated co-processor

#### L2 Cache Memory

256KB Level 2 cache integrated in module  
100MHz front side bus clock speed

#### Main Memory (Toshiba on board)

128MB SDRAM, expandable to 384MB (2805-S503)  
256MB SDRAM, expandable to 384MB (2805-S603)  
64Mbit/128Mbit/256Mbit PC100 SDRAM, 3.3V  
Data/Address Bus Width: 64-bit/32-bit

#### Expansion Memory

Module type: SODIMM  
64Mbit/128Mbit/256Mbit PC100 SDRAM, 3.3V, 8ns access speed  
Data/Address Bus Width: 64-bit/32-bit

#### BIOS ROM

1MB; Intel FWH; 8Mbit

Intel 82801BEM Bus Controller

### MASS STORAGE

#### Floppy Disk Drive

Built-in 3.5", 1.44MB

#### Primary Hard Disk Drive (Toshiba)

20.0 (2805-S503) & 30.0 (2805-S603) GB, 9.5mm height, 0.2lbs, Enhanced IDE (ATA-5)

- 12/12ms average access time (read/write)
- 2.5/3ms track to track seek time (read/write)

Service removable

4200 rpm drive rotation

20.0 GB HDD supports PIO Mode4, Ultra DMA Mode4 or Multiword DMA Mode2

30.0 GB HDD supports PIO Mode4, Ultra DMA Mode4 or Multiword DMA Mode2

#### DVD-ROM or DVD-ROM/CD-RW

110-95 ms average access time (read/write)- DVD-ROM

140-120 ms average access time (read/write)- DVD-ROM/CD-RW

Enhanced IDE (ATAPI)

Service Removable

DVD-ROM (2805-S503)

Data Transfer Rate (min/max):

- CD mode (KB/s) – 1552/3600 (KB/s)
- DVD mode (KB/s) – 4463/10816 (KB/s)

Compatibility: CD-ROM, CD-R (read only), CD-RW (read only), DVD-R (read only), DVD-ROM

DVD-ROM/CD-RW (2805-S603)

Data Transfer Rate (min/max):

- CD mode (KB/s) – 1552/3600 (KB/s)
- DVD mode (KB/s) – 3357/8112 (KB/s)

Compatibility: CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R (read only)

Software Decoder: WinDVD

#### SmartMedia

Support Voltage – 3.3V / 5V

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Support Capacity – 8MB – 128MB

### Graphics/Video

#### Display

15.0" TFT active-matrix display  
Internal display supports up to 16M colors at 1024 x 768

#### Graphics Controller

nVIDIA GeForce2Go graphics controller

- 16MB external DDR video memory
- 166MHz DDR Bus Clock Speed

3D Graphics Accelerator, AGP bus support

2D Graphics Accelerator, BitBLT hardware, Hardware cursor, Direct Draw support

#### External Color Support

640 x 480; 100Hz Non-Interlaced @ 16M colors  
800 x 600; 100Hz Non-Interlaced @ 16M colors  
1024 x 768; 100Hz Non-Interlaced @ 16M colors  
1280 x 1024; 100Hz Non-Interlaced @ 16M colors  
1600 x 1200; 85Hz Non-Interlaced @ 16M colors

### Input Devices

#### Keyboard

Full sized 85 keys with 12 function keys

2.7mm key stroke, 6mm height

Dedicated Windows® & Application key support

Hot Key Function

Integrated AccuPoint® II pointing device with scroll buttons

#### CD Control Function

- Play/Pause
- Stop/Eject
- Previous
- Skip/Next
- CD Power

#### Instant Access Internet Button

### Expandability

1 Expansion memory slot (incl. Main Memory) (2805-S503 only)

2 PC Card slots support two Type II or one Type III PC Cards

#### Ports

- ECP parallel printer port
- 2 Universal Serial Bus port
- Composite TV-Out – NTSC/PAL output
- PS/2 port (keyboard, mouse)
- RJ-45 LAN port
- RJ-11 modem port
- i.Link (IEEE 1394) port
- SmartMedia slot

### Sound

Yamaha Sound chip; AKM4543 Codec Chip  
16-bit stereo, Windows Sound System Ver.2.0

Sound Blaster® Pro compatible (in DOS box only)

Built-in stereo speakers with subwoofer

3D sound support with HRTF 3D positional audio

Direct 3D Sound

Hardware acceleration for DirectSound and DirectMusic

Full Duplex support

MIDI Support

#### Ports

- External Microphone port
- Headphone port
- Line-out (Combined to TV-Out)

Sound Volume Control button (by dial)

### Communication

Integrated V.90 56K modem (Lucent)

Data and fax support

Integrated Intel 10/100 Ethernet LAN

- Wake on LAN

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.

### Physical Description

#### Dimensions (LxWxH):

- 13.0" x 11.3" x 2.0"

#### Weight:

- 7.7 lbs

#### LED Indicators

- Power, HDD, FDD, CD/DVD, DC-IN, Power Save Mode, Caps Lock, Arrow, Numeric, Main Battery Charging Status, System Sleep / Suspend status, SmartMedia access

### Power Supply

#### AC Adapter

60W external AC Adapter

100-240V / 50-60Hz frequency (Universal) input voltage

15V x 4A output voltage

#### Battery Pack

9 cell, rechargeable, removable Lithium Ion (Li-Ion) battery

Capacity - 10.8V x 4000mAh = 43.2Wh

2.5 hours battery life

Recharge time: 3.0H unit off / 4H – 11H unit on

Dimensions (LxWxH): 6.8" x 2.7" x 0.7"

Weight: 0.8lbs.

Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage.

### Security

Slot for computer lock

Memory, HDD and Modem (by screw only)

User Power-on password

Setup Security

HDD Password

Keyboard Lock (by Hotkey)

Screen Blank (by Hotkey)

Screen Saver (by software)

### Bios

TSETUP, APM, ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PCI BIOS Support

### Operating System

Microsoft® Windows Millennium Edition pre-installed

Windows 2000 component drivers on the Web

### Additional Software

Lotus® SmartSuite Millennium Edition

Intuit Quicken Basic 2001

McAfee ActiveShield

AT&T WorldNet Services

Customizable Toshiba/My Yahoo! Start Page

Microsoft Internet Explorer

Toshiba Custom Utilities

Satellite Series Online Documentation

VirtualTech

**Toshiba Great Software Offer:** Receive your choice of two software titles. The software selection includes titles from the following categories: productivity, education/reference, creativity and entertainment.

### Warranty

1 year parts, labor and battery

### Environmental Specifications

#### Temperature:

Operating: 5° to 35° C (41° to 95° F)

Non-operating: -20° to 65° C (-4° to 149° F)

#### Thermal gradient:

Operating: 15° C per hour maximum

Non-operating: 20° C per hour maximum

#### Relative Humidity:

Operating: 20% to 80% non-condensing

Non-operating: 10% to 95% non-condensing

#### Altitude (relative to sea level):

Operating: -60 to 3000 meters

Non-operating: -60 to 10,000 meters

#### Shock:

Operating: 10G

Non-operating: 60G

#### Vibration:

Operating: 0.5G

Non-operating: 1.0G

### Accessories

PA3048U-1ACA 60W universal AC adapter

PA2487URG Li-Ion Battery Pack

PA2488U Battery Charger

PA3053U-1PCP Bluetooth PC Card

KTT-SO100/64 64MB Memory – (Kingston)

KTT-SO100/128 128MB Memory – (Kingston)

KTT-SO815/256 256MB Memory – (Kingston)

NWCC38440 Standard Carry all, black

NWCC13440 Backpack, black

NWDEFCL Defcon notebook cable lock

PA070 USB port expansion hub

F3G117-01-NW Universal Y-adapter cable

TNABS-10.0GB Automatic backup system

TNABS-20.0GB Automatic backup system

PA3079U-1PCP 2GB Type II PC Card Hard Disk Drive

PA3066U-1PCP PC Card Fingerprint Reader

PA3064U-1PCP Wireless LAN PC Card

PA3065U-1ETC Access Point for Wireless LAN PC Card

### Product/Part Number/UPC

Satellite 2805-S503 / PS287U-0003YHE

Satellite 2805-S603 / PS287U-000TJHD