

TOSHIBA

Satellite® 2805 Series

Outstanding Multimedia performance and Connectivity in a Mobile PC

Model(s):

Satellite 2805-S402

- PIII 850, 15.0" TFT, 128MB, 20GB, DVD-ROM/CD-RW, Mdm, LAN, WinME
- NVIDIA Graphics Processing Unit
- i.Link (IEEE 1394) port
- SmartMedia Slot

Product Highlights

- Performance**
 - Intel Pentium III 850MHz processor
 - 128MB expandable to 384MB
 - NVIDIA graphic chipset with 16MB external SDRAM video memory
- All-in-one design**
 - 20.0GB hard disk drive
 - DVD-ROM/CD-Rewriteable
 - 3.5" 1.44MB floppy diskette drive
- Great Features**
 - 15.0" TFT active-matrix display
 - 16MB external video memory
 - Booming subwoofer for a full multimedia experience!
 - i.Link (IEEE 1394) port for digital video editing
- Get On-Line**
 - Integrated V.90 56K modem
 - Integrated 10/100 Ethernet LAN

System Characteristics

Processor
Mobile Intel Pentium III processor 850MHz
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
64Mbit/128Mbit PC100 SDRAM, 3.3V, 8ns access speed
Data/Address Bus Width: 64-bit/32-bit

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

BIOS ROM
1MB capacity
Type of BIOS ROM – Intel FWH

MASS STORAGE

Floppy Disk Drive
Built-in 3.5", 1.44MB

Primary Hard Disk Drive (Toshiba)
20.0 gigabyte (MK2016GAP) 9.5mm height, 0.2lbs
Enhanced IDE, 2.5"

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

Service removable (by screw only)
4200 rpm drive rotation
Supports PIO Mode4, Ultra DMA Mode2 or Multiword DMA Mode2

DVD-ROM/CD-RW (Toshiba)
Built-in DVD-ROM/CD-Rewriteable
95-110 ms average access time (read/write)
Maximum speed

- CD-R(4X)/CD-RW(4X)/DVD-ROM(6X)/CD-ROM(24X)

Compatibility: CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R (read only)
Data Transfer Rate (min/max):

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

ATAPI Interface
Service removable

Software Decoder: InterVideo (WinDVD)

Graphics/Video

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

Graphics Controller
NVIDIA GeForce2 Go Graphics Processing Unit

- 16MB external SDRAM video memory

64-bit Graphics Accelerator
AGP bus support
BitBLT hardware, Hardware cursor, Direct Draw support

External Color Support

640 x 480; 60/75/85Hz Non-Interlaced @ 16M
800 x 600; 60/75/85Hz Non-Interlaced @ 16M
1024 x 768; 60/75/85Hz Non-Interlaced @ 16M
1280 x 1024; 60/75/85Hz Non-Interlaced @ 16M
1600 x 1200; 60/75/85Hz Non-Interlaced @ 16M

Input Devices

Keyboard
Full sized 85 keys with 12 function keys
2.7mm key stroke, 6mm height
Dedicated Windows® keys
Integrated AccuPoint® II pointing device with user-programmable scroll buttons

CD Control Function

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

Instant Access Internet Button

Expandability

1 Expansion memory slot (2 screws)
2 PC Card slots support **two Type II** or **one Type III** PC Cards;
32-bit CardBus ready

Ports

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

Sound

Yamaha YMF754B-R sound chip, Codec chip AKM4543
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
Full Duplex support

Ports

- Microphone port
- Headphone port
- Line out (integrated with TV-Out port)

Sound Volume Control button
Built-in Stereo Speakers

Communication

Integrated V.90 56K modem (Askey, ucent)
Data and fax support
Integrated 10/100 Ethernet 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):

- 12.9" x 10.9" x 1.6"

Weight:

- 7.5lbs

LED Indicators

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

Power Supply

AC Adapter
60W Auto sensing external AC Adapter
100-240V / 50-60Hz frequency (Universal) input voltage
Dimension (LxWxH): 5.51" x 2.95" x .98"
Weight: 0.95 lbs

Battery Pack
9 cell, rechargeable, removable Lithium Ion (Li-Ion) battery
10.8V x 4000mAh capacity
2.0+ hours battery life
Recharge time: 2.0H unit off / 3.0H hrs unit on
Dimensions (LxWxH): 6.87" x 2.76" x 0.73"
Weight: 0.82 lbs

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
Screen Saver by software

Bios

ACPI V1.0b, PnP V4.3, VESA V2.0, DPMS, DDC2, SM BIOS, PC BIOS Support

Operating System

Microsoft® Windows Millennium Edition pre-installed
Microsoft Windows 98SE & 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 follow 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-1PCC	Bluetooth PC Card
KTT-SO100/32	32MB Memory
KTT-SO100/64	64MB Memory
KTT-SO100/128	128MB Memory
KTT-SO100/256	256MB Memory
NWCC38440	Standard Carry all, black
NWCC13440	Backpack, black
NWDEFCL	Defcon notebook cable lock
PA070	USB port expansion hub
PA3079U-1PCC	2.0GB Type II Hard Disk Drive
F3G117-01-NW	Universal Y-adapter cable
TNABS-10.0GB	Automatic backup system
TNABS-20.0GB	Automatic backup system
3CCFE575CT	10/100 Ethernet LAN card (RJ-45)
3CXFE575CT	10/100 Xjack Ethernet LAN card
PA3064U-1PCC	Wireless LAN PC Card
PA3065U-1ETC	Access Point for Wireless LAN PC Card

Product/Part Number/UPC

Satellite 2805-S402 / PS285U-000FJH / 032017080096