

TOSHIBA

Product Name: Satellite 2140XCDS and 2180CDT

Model: 2140XCDS

- Part Number: PS214U-D81J08
- UPC Code: 32017051140

Model: 2180CDT

- Part Number: PS218U-E81J08
- UPC Code: 32017051171

Product Specification

Product Highlights:

- Blazing Speed:
 - 450Mhz (2140XCDS) or 475MHz (2180CDT) AMD K6-2 processor with 3D Now! technology
 - 64MB SDRAM, expandable to 192MB
- All-in-one design:
 - 4.3 billion byte hard disk drive, 24X max. speed CD-ROM and diskette drive
- Large, bright 13" Color Bright dual scan display (2140XCDS) or 12.1" TFT color LCD display (2180CDT)
- Get On-Line!
 - V.90 /K56Flex data/fax modem
- Great Software!
 - Toshiba Great Software Offer

Processor

AMD K6-2 processor with 3D Now! technology
450MHz (2140XCDS) or 475MHz (2180CDT) clock speed
Integrated math co-processor
64KB internal cache
512KB Level 2 cache
Data/Address Bus Width: 64-bit/32-bit

Memory

64MB of SDRAM, 3.3V, 60ns
Internal memory expansion slot, up to 192MB

BIOS

APM V1.2; ACPI V1.6; PnP V1.0a; VESA V2.0;
DPMS; DDC2B; SMBIOS 2.3, PCI BIOS

System Architecture

PCI Bus V2.2

Hard Disk

4.3 billion byte Enhanced IDE, 2.5"
Service removable
9.5 mm height or 8.45mm height
13ms average access time
Supports PIO Mode4 or Ultra DMA33Mode2

Diskette Drive

Built-in 3.5", 1.44MB

CD-ROM

Built-in 24X max. speed CD-ROM
130ms average access time
3,600KB/s maximum data transfer rate
Compatibility: CD-ROM, CD-R, Photo CD (Multisession), CD Extra (CD Plus), CD-RW (read only)

Video

S3 Virge™ MX Graphics Controller
64-bit Graphics Accelerator
PCI local bus support
DuoView™
BitBLT hardware
2MB Video Memory

Display

13.0" diagonal with 800 x 600 Resolution (2140XCDS)
12.1" diagonal with 800 x 600 Resolution (2180CDT)
Internal display supports up to 16M colors at 800 x 600

External Color Support

800 x 600 and 640 x 480; 85Hz Non-Interlaced @ 16M
1024 x 768; 85Hz Non-Interlaced @ 64K
1280 x 1024; 60Hz Non-Interlaced @ 256

Audio

ESS ES1978S (PCI audio accelerator)
16-bit stereo, Sound Blaster® Pro compatible, .WAV and MIDI playback
HRTF 3D positional audio
Multi-stream DirectSound and DirectSound3D acceleration
Hardware acceleration for DirectMusic
64-channel wavetable music synthesis
Microphone, Headphone and Line-in ports

Communications

Integrated V.90/56Kflex data/fax modem
Built-in RJ-11

Keyboard

Full sized 84 keys with 12 function keys
3mm travel
Easy Access Internet Key
CD Control support via Fn+F7-F9 keys
Dedicated Windows® keys
Integrated AccuPoint® pointing device

Expansion

Two PC Card slots support two Type II or one Type III PC Cards; 32-bit CardBus ready
15-pin analog SVGA video port
PS/2™ mouse/keyboard port (Y-connector supported)
Universal Serial Bus port
ECP parallel port
High speed serial port (16550 UART compatible)
Headphone jack
External microphone jack (monaural)
Line-in jack

Dimensions (LxWxH)

12.2" x 10.2" x 1.7"

Weight

6.8 lbs

Power Supply

45W Autosensing External AC Adapter
100-240V input voltage
50-60Hz frequency
4.9 (W) x 2.5 (H) x .9 (D), 0.6 lbs

Battery

Rechargeable, removable Lithium Ion battery (6 cell)
2 hours battery life
3 hours unit off; 4 - 10 hrs unit on recharge time
ACPI V1.0b support
Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage.

System Management

SM BIOS 2.3 BIOS support with asset tag capability
Wired for Management V1.1a, ACPI power management
Toshiba Configuration Builder-customized software
image tool
Year 2000 Compliance: NSTL Hardware Tested

Security

Power-on password (2-level password support)
HDD access password
Secure Sleep (Screen Blank)
Keyboard Lock

Software

Microsoft® Windows 98 Second Edition
Norton® Anti-Virus™ Scan and Repair
AT&T WorldNet Services
Customizable Toshiba/My Yahoo! Start Page
Microsoft Internet Explorer
Ring Zero® RingCentral™
Toshiba Custom Utilities
Satellite Series Online Documentation
Toshiba Great Software Offer Fulfillment: Receive your choice of up to two software titles. The software selection includes titles from the follow categories:
Lotus® SmartSuite Millenium Edition , mobile productivity, education and entertainment titles.

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: 15° 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: -60m to 3,000m (-197' to 9,842')
Non-operating: -60m to 10,000m (-197' to 32,808')

Shock:

Operating: 10G (11ms)
Non-operating: 60G (66ms)

Vibration:

Operating: 0.5G
Non-operating: 1G

Accessories

KTT-SO100/32 32MB SDRAM upgrade module
KTT-SO100/64 64MB SDRAM upgrade module
KTT-SO100/128 128MB SDRAM upgrade module
PA 2450U Universal AC Adapter (standard)
PA2487URG Battery Pack (Accessory)
PA2488U Battery Charger
3CCFE575CT 3Com 10/100 Ethernet LAN Cardbus Card with RJ-45
3CXFE575CT 3Com 10/100 Ethernet LAN Cardbus Card with XJACK
NWCC38440 Standard CarryAll (Black)