

First-Class Service and Support

- Backed by VirtualTech™—the first fully integrated suite of technical support tools, easily accessible through a single desktop icon and designed to help you work anywhere, anytime and any way you want.

An Ideal Desktop Replacement— Giving You Freedom to Work Anywhere, Anytime

- LAN- and Internet-ready with 10/100 Ethernet and V.90 56K modem ports, allowing broadband access.
- Choice of two port replicator options.

Superior Multimedia for Impactful Presentations

- Watch a movie or burn a CD with the built-in DVD-ROM or DVD-ROM/CD-RW.
- See details clearly on the large 15.0" TFT active-matrix color display.
- The Trident XP™ graphics controller with 16MB external SDRAM provides smooth-running animation.

High Performance for the Most Demanding Tasks

- Mobile Pentium® III processors up to 1,000MHz (1GHz) featuring Intel® SpeedStep™ technology give you all the speed you need.
- Save it all on a 30.0GB or 20.0GB hard drive.

Connect to Thin Air

- Wireless antenna with Wi-Fi™ technology allows easy and secure access to your network (integrated or optional).



Satellite Pro® 4600 Series

TOSHIBA

Satellite Pro® 4600 Series

Performance, network connectivity, expansion and value.

Processors

- Mobile Pentium III 1,000MHz (1GHz) or 900MHz processors featuring Intel SpeedStep technology with integrated 256KB on-die Level 2 cache
- Data/Address bus width: 64-bit/32-bit
- 100MHz processor system bus

Hard Disk

- 30.0GB or 20.0GB* enhanced IDE
- Supports PIO Mode 4, Ultra DMA Mode 4 or Multiword DMA Mode 2 (30.0GB HDD)
- 9.5mm height
- 12–13ms average access time (read/write)
- 2.5–3.0ms track-to-track seek time (read/write)
- 4,200rpm drive rotation
- Service removable

*GB means 1 billion bytes.

Memory

- 256MB or 128MB standard, expandable to 512MB
- Type: 64/128/256 Mbit PC100 SDRAM, 3.3V
- Two internal memory expansion slots

BIOS

- TSETUP, APM V1.2, ACPI V1.0b, PnP V1.0a, VESA V2.0, DPMS, DDC, SM BIOS V2.3, PCI BIOS V2.1 support

Color Display

- 15.0" diagonal, TFT active-matrix

Video

- Trident XP graphics controller
- 3D/2D graphics accelerators
- AGP bus support
- BitBLT hardware
- 16MB external SDRAM video memory

External CRT Support

- 16M colors:
- 1024 x 768, 800 x 600, 640 x 480 @ 60/75/85Hz; 1280 x 1024 @ 60Hz non-interlaced, simultaneous mode
- 64K colors:
- 1600 x 1200, 1400 x 1050 @ 60Hz non-interlaced, simultaneous mode

All-in-One Design

- Built-in DVD-ROM or DVD-ROM/CD-RW
- 95–120ms average access time (read): DVD-ROM
- 110–120ms average access time (read/write): DVD-ROM/CD-RW
- DVD-ROM compatibility: CD-ROM, CD-R (read only), CR-RW (read only), DVD-ROM, DVD-R (read only)
- DVD-ROM/CD-RW compatibility: CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R (read only)
- Built-in 3.5", 1.44MB diskette drive

Audio

- Yamaha® YMF743 codec chip, 16-bit stereo
- Windows® Sound System V2.0
- 3D sound support
- MIDI support
- Two built-in stereo speakers
- Full duplex sound support
- Hardware acceleration for Microsoft® DirectSound® and DirectMusic®
- Microsoft DirectSound3D®
- Headphone and microphone ports

Expansion

- Two PC Card slots support two Type II or one Type III PC Cards
- Fast infrared port
- PS/2® mouse/keyboard port (Y-connector supported)
- Two Universal Serial Bus ports
- ECP parallel port
- High-speed serial port (16550 UART compatible)
- RJ-11 modem port
- RJ-45 LAN port
- TV-out port (NTSC/PAL output)
- Video-out port
- Port replicator connector

Communications

- Integrated V.90 56K modem*
- Integrated 10/100 Ethernet
- Integrated or optional Wi-Fi (IEEE 802.11b)

*Due to FCC limitations, speeds of 53Kbps are the maximum permissible transmission rates during downloads. Actual data transmission speeds vary depending on line conditions.

Battery

- Rechargeable, removable Lithium Ion battery (10.8V, 4,000mAh)
- Up to 2.5 hours of battery life
- Recharge time: 2.5 hours unit off, 4.0–10.0 hours unit on

Battery life may vary depending on configurations, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power.

Power Supply

- 60W autosensing external AC adapter
- 100–240V input voltage
- 50–60Hz frequency

Keyboard

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

Dimensions (h x w x d)

- 1.9" x 12.8" x 10.7"
- Thickness may vary at certain points on the system.

Weight

- 7.4 lbs.

Security

- SecureSleep™
- Main system memory, modem and internal HDD security
- Cable lock slot

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 90% 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: 40G
- Vibration:
 - Operating: 0.5G
 - Non-operating: 1.0G

Software

- Microsoft Windows 2000 Professional or Microsoft Windows 98SE
- VirtualTech
- Microsoft Internet Explorer®
- America Online®
- Intuit® Quicken® Basic 2001
- SPANworks Software Suite
- McAfee ActiveShield™
- Mediatics DVExpress™
- Online documentation
- Toshiba Great Software Offer:
 - Your choice of up to two software titles.

Software may differ from the retail version (if available) and may not include user manuals or all program functions.

Warranty

- 1 year parts, labor and battery

Part Numbers

- PS460U-06USV8E 900MHz, Windows 98SE
- PS460U-0M4N48D 900MHz, Wi-Fi, Windows 98SE
- PS460U-0MR2S8D 1,000MHz, Windows 98SE
- PS460U-06USV1E 900MHz, Windows 2000 Professional
- PS460U-0M4N41D 900MHz, Wi-Fi, Windows 2000 Professional
- PS460U-0MR2S1D 1,000 MHz, Windows 2000 Professional

Accessories

- KTT-S0100/64 64MB SDRAM upgrade module
 - KTT-S0100/128 128MB SDRAM upgrade module
 - KTT-S0815/256 256MB SDRAM upgrade module
 - PA2731U-2 Satellite Port Replicator
 - PA3053U-1PCC Bluetooth™ PC Card
 - PA3024U-1PRP NoteDock® IV Enhanced Port Replicator
 - PA3048U-1ACA Universal AC adapter (standard)
 - PA2487URG Lithium Ion battery pack
 - PA2488U Battery charger
 - NWCC38440 Standard CarryAll
 - NWCC13440 Backpack CarryAll
 - NWDEFCL Defcon notebook cable lock
 - F3G117-01-NW Universal Y-adapter cable
 - PA3079U-1PCC 2GB Type II HDD
 - TNABS-20.0GB 20.0GB Automatic backup system
 - TNABS-30.0GB 30.0GB Automatic backup system
 - PA3066U-1PCC PC Card Fingerprint Reader
 - PA3064U-1PCC Wireless LAN PC Card
 - PA3065U-1ETC Access point for Wireless LAN PC Card
 - PA3070U-1MPC Wireless LAN Mini PCI*
- *Card must be installed by a Toshiba Wireless Authorized Service Provider.

Services and Support

Standard Warranty

Coverage begins the date you purchase a Toshiba portable computer. The exact length of coverage varies according to the product purchased.

The Standard Warranty includes:

- **VirtualTech:** 24 hours, 7 days a week, integrated technical e-support tools
- **Notebook Depot Select Service:** pickup, repair and return under standard 32-hour cycle
- **Authorized Service Providers (ASP):** Toshiba's worldwide ASP network dedicated to customer satisfaction

SelectServ® Upgrade Programs

Upgrades the level and type of coverage of the standard warranty.

SelectServ programs include:

- **Warranty Extension:** provides three full years of coverage
- **Depot Express:** one-day hardware repair turnaround
- **On-Site, Next-Business-Day:** on-site computer repair

SystemGuard®

Protection against accidental damage



Toshiba recommends Windows 2000 Professional for business.

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