

# TOSHIBA

## *Satellite* 4090X DVD

The Best Performance  
at the Best Price



### DVD Power



#### Performance

- Mobile Intel® Celeron™ processor, 400MHz

#### All-In-One

- 6.4 billion byte hard disk drive
- 3.5" diskette drive
- 2.4X DVD-ROM

#### Multimedia

- 14.1" diagonal, TFT active-matrix color display
- Toshiba 3D Sound System
- Trident Cyber9525™ graphics controller

#### Expansion

- Optional Port Replicator connects to accessories and networks

# Satellite 4090X DVD

## Processor

- Mobile Intel Celeron processor
- 400MHz clock speed
- Integrated co-processor
- 32KB internal Level 1 cache
- 128KB on-die Level 2 cache

## System Architecture

- PCI Bus V.2.1
- Intel 440DX system chipset

## Hard Disk

- 6.4 billion byte enhanced IDE, 2.5"
- Service removable
- 9.5mm or 8.5mm height
- 13ms average access time
- Supports PIO Mode4 or Ultra DMA33 Mode2

## Memory

- 64MB standard, expandable to 192MB
- 64Mbit Synchronous DRAM, 3.3V, 60ns

## BIOS

- APM V1.2, ACPI V1.0, ACPI OS, PnP V1.0a, VESA V2.0, DPMS, DDC2, SM v. 2.1, PCI BIOS

## Display

- 14.1" diagonal
- TFT active-matrix color display
- 1024 x 768 resolution

## Video

- Trident Cyber9525 graphics controller
- 64-bit memory bus width
- BitBLT hardware
- 2.5MB integrated video memory

## External Color Support

- 16M colors: 640 x 480 @ 85/75/65Hz non-interlaced
- 16M colors: 800 x 600 @ 85Hz non-interlaced
- 64K colors: 1024 x 768 @ 85Hz non-interlaced
- 256 colors: 1280 x 1024 @ 60Hz non-interlaced

## Diskette Drive

- Built-in 3.5", 1.44MB

## DVD-ROM

- Built-in 2.4X max. speed\*
- 160ms random DVD-ROM mode, 110ms random CD-ROM mode
- Compatibility: DVD-ROM, CD-ROM, CD-R, CD-RW

\* 2,704KB/s maximum data transfer rate - DVD-ROM  
3,000KB/s maximum data transfer rate - CD-ROM

## Audio

- ESS ES1978S (PCI audio accelerator)
- 16-bit stereo, Sound Blaster® Pro compatible
- DVD-AC-3 speaker virtualization
- Hardware acceleration for DirectMusic and DirectInput
- Stereo bass reflex speaker system
- 64-channel wavetable music synthesis
- Microphone, headphone, line-in ports

## Expansion

- Two (2) PC Card slots support two (2) Type II or one (1) Type III PC Cards
- 32-bit CardBus ready
- SVGA video port
- Port Replicator connector
- Fast infrared port (4Mbps, IrDA V1.1 compliant)
- PS/2™ mouse/keyboard port (Y-connector supported)
- Universal Serial Bus (USB) port
- ECP parallel port
- High speed serial port (16550 UART compatible)

## Communications

- Integrated V.90/K56flex modem

## Battery

- Lithium Ion
- Rechargeable, removable battery (10.8V, 4,000mAh)
- 3.0+ hours battery life
- 2.8 hours recharge time

*Battery life may vary depending on 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

- 45W autosensing external AC adapter
- 100 - 240V input voltage
- 50 - 60Hz frequency
- 6.9" (l) x 2.8" (w) x 0.7" (h)
- .85 lbs

## Keyboard

- Full sized 84 keys with 12 function keys
- 3mm travel
- Dedicated Windows® keys
- Integrated AccuPoint® pointing device

## Dimensions (l x w x h)

- 12.2" x 10.2" x 1.6"

## Weight

- 7.0 lbs

## Security

- Power-on password (2-level password support)
- HDD access password
- Cable lock slot

## System Management

- SM 2.1 BIOS support with asset tag capability
- Toshiba Configuration Builder CD supports Microsoft® Windows 98 & Microsoft Windows 95
- Year 2000 compliance: NSTL hardware tested

## Environmental Specifications

- Temperature: Operating: 5° to 35° C (41° to 95° F) Non-operating: -20° to 65° C (-4° to 149° F) Thermal gradient: 20° C per hour max.
- 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

## Software

- Microsoft Windows 98 or Windows NT
- AT&T WorldNet® Service Offer
- Customizable Toshiba / My Yahoo!® Start Page®
- Mediamatics DVDEExpress™\*
- Norton® Anti-Virus™ Scan and Repair\*
- RingCentral™\*
- Toshiba Take Five Software Offer\*
- Toshiba custom utilities
- Satellite 4090X DVD online documentation
- \* Windows 98 only

*Some software may differ from its retail version (if available) and may not include user manuals or all program functionality.*

## Warranty

- 1 year parts, labor and battery

## Part Number

- PAS409U-T2DW8 Satellite 4090X DVD
- PAS409U-T2DN4 Satellite 4090X DVD (NT)

## Accessories

- KT78000/32 32MB SDRAM memory upgrade module
- KT78000/64 64MB SDRAM memory upgrade module
- KT78000/128 128MB SDRAM memory upgrade module
- PA2450U Universal AC adapter
- PA2487URG Battery pack
- PA2488U Battery charger
- PA2731U Port Replicator
- PA2717U NoteDock® III enhanced Port Replicator (requires PA2730U)
- PA2730U Enhanced Port Replicator adapter
- NWCC38440 Standard CarryAll (black)

## 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:

- Toshiba InTouch™ Center: domestic or international service, 24hrs., 7days/wk
- Notebook Depot Select Service: pickup, repair & return under standard 32hr. cycle
- Online Support: via website [www.toshiba.com](http://www.toshiba.com)
- Authorized Service Partner Network (ASP): Toshiba's worldwide ASP network dedicated to customer satisfaction

### SelectServ™ Warranty Extensions & Upgrades Programs

A warranty extension adds 2 years of coverage to a product with a 1 year standard warranty while an upgrade raises the level of service.

SelectServ programs include:

- On-Call Network: on-site service repair
- ScreenGuard: replaces up to 2 accidentally broken or cracked screens per year
- Notebook Depot Express: 8-hour repair cycle (domestic only)

