

# TOSHIBA

## Tecra® 8200

Most mobility and power without compromise

### Product Highlights

- **Performance**
  - Intel® Mobile Pentium® III processor, 1GHz, 900MHz, 850MHz and 750MHz featuring Intel® Speedstep™ Technology Performance
  - SDRAM expandable to 512MB
- **Great Features!**
  - Up to 30GB\* hard disk drive, DVD-ROM/CD-RW
  - 14.1" diagonal TFT Color LCD (XGA or SXGA+)
  - 16MB SDRAM external Video Memory
- **Always Connected!**
  - Available integrated Wi-Fi™ (IEEE 802.11b)
  - Integrated 10/100 BaseTX Ethernet
  - Integrated V.90 K56 modem

Custom Configuration options listed below are highlighted

### System Characteristics

#### Processor

Intel® Mobile Pentium® III **750 (1.6V), 850 (1.6V), 900MHz (1.7V) and 1GHz (1.7V)** processor featuring Intel® Speedstep™ Technology Performance  
Intel 815EM Chipset  
Integrated co-processor  
256KB Level 2 cache integrated on die  
100MHz front side bus clock speed (FSB)

#### Main Memory (on board)

**128-512MB**

#### Expansion Memory

Module type: SODIMM  
64/128/256 Mbit PC100 SDRAM. 3.3V  
Data/Address Bus Width: 64-bit/32-bit

### MASS STORAGE

#### Primary Hard Disk Drive (IBM)

**10.0, 20.0, or 30.0 GB\*** 2.5" Enhanced IDE (ATA-5)  
User removable  
9.5 mm height, 0.2 lbs  
12/13ms average access time (read/write)  
13/13ms average access time (read/write) – 30.0 GB\*  
2.5/3ms track to track seek time (read/write)  
3/3ms track to track seek time (read/write) – 30.0 GB\*  
4200 rpm drive rotation  
Supports PIO Mode 4

#### SelectBay® CD-ROM

5.25" EIDE (ATAPI), 24X max. speed, 12.7mm height  
110ms random access time (read)  
3,600 KB/sec maximum data transfer rate  
Internal use in SelectBay® (User removable)  
Compatibility: CD-ROM, CD-R (read only), CD-RW (read only)

#### SelectBay® Floppy Disk Drive

3.5", 1.44MB

#### USB Floppy Disk Drive

3.5", 1.44MB

#### SelectBay® DVD-ROM

5.25" EIDE (ATAPI), 8X max. speed, 12.7mm height  
110ms random access time – DVD-ROM (read)  
10,820 KB/sec maximum transfer rate – DVD-ROM  
Compatibility: CD-ROM, CD-R (read only), CD-RW (read only), DVD-ROM, DVD-R (read only)

#### SelectBay® CD-R/RW

5.25" EIDE ATAPI, 12.7mm height  
Max. speed: CD-R (8x), CD-RW (4x), CD (24x)  
150ms access time  
Internal use in SelectBay® (User removable)  
Compatibility: CD-ROM, CD-R (read/write), CD-RW (read/write)

#### SelectBay® DVD-ROM/CD-RW

5.25" EIDE (ATAPI), 12.7mm height  
Max. speed: CD-R (4x), CD-RW (4x), DVD-ROM (6x), CD-ROM (24x)  
140ms access time (DVD-ROM), 120ms (CD-ROM)  
Internal use in SelectBay® (**User removable**)  
Compatibility: CD-ROM, CD-R (read/write), CD-RW (read/write), DVD-ROM, DVD-R (read only)

#### SelectBay® Battery

Lithium Ion (10.8V, 3000mAh)  
Doubles battery life

#### SelectBay® HDD (Adapter required)

10, 20 or 30 GB\* – Enhanced IDE (ATA-5)

### Graphics/Video

#### Display

14.1" TFT Color LCD (**XGA or SXGA+**)  
Internal display supports up to 16M colors

#### Graphics Controller

Trident XP, 16MB external SDRAM Video Memory  
64-bit Graphics Accelerator  
BitBLT engine, 66MHz x4 AGP bus

#### DVD Audio/Video (included with DVD-ROM)

Intervideo™ WinDVD (Software DVD decoder)

#### External Color Support

1024x768, 800x600, 640x480: 60/75/85Hz Non-Int'l'd @ 16M colors  
1280x1024: 85Hz Non-Int'l'd @ 64K colors  
1400 x 1050: 60Hz Non-Int'l'd @ 64K colors

1600 x 1200: 75Hz Non-Int'l'd @64K colors

### 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 buttons

### Expandability

1 Expansion memory slot  
2 PC Card slots support two Type II or one Type III PC Cards; PCMCIA R2.01, PC Card16, CardBus  
1 SelectBay  
**Ports**  
SVGA video port  
TV-out port (NTSC/PAL output; RCA jack)  
Fast infrared port (4Mbps, IrDA1.1)  
PS/2 mouse/keyboard port (Y-connector supported)  
2 Universal Serial Bus (USB) port  
Parallel port (ECP)  
High speed serial port (16550UART equivalent)  
RJ-11 modem port  
RJ-45 LAN port  
240 pin docking connector

### Sound

YAMAHA YMF754 PCI bus Sound Chip  
16-bit stereo, Sound Blaster® Pro compatible (on Win98SE DOS box only)  
3D Sound Support, Direct 3D Sound  
Hardware acceleration for DirectSound  
Full Duplex support  
Sound Volume Control dial  
Built-in Stereo Speakers, Built-in microphone  
Microphone port, Stereo Headphone port

### Communication

Integrated V.90 56K modem, data and fax support  
Integrated 10/100 Base-TX Ethernet  
Available integrated Wi-Fi™ (IEEE 802.11b)

### Physical Description

**Dimensions (WxDxH):** 12.3" x 10.0" x 1.4"

**Weight:** 5.5 lbs (w/ DVD)

**LED Indicators:** Power, DC-In, Battery charge, Primary HDD, SelectBay drive access, CD/DVD, 2<sup>nd</sup> battery charge, Wireless indicator and Wi-Fi™ on/off switch  
Caps Lock, Arrow Mode, Scroll Modes, Numeric Lock

### Power Supply

#### AC Adapter

60W Autosensing External AC Adapter  
100-240V input voltage, 50/60Hz frequency  
5.5"W x 1.0"D x 3.0"H, 0.95 lbs.

#### Battery Pack

Rechargeable, removable Li-Ion battery (6 cell)  
10.8V x 3600mAh capacity  
Up to 3 hours battery life

#### Recharge time:

2.5H unit off

ACPI V1.0b support

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

### Security

Slot for Kensington Lock  
Biometrics: BIOS and OS level support (w/ PC Card Fingerprint Reader)  
Memory, HDD and Modem/LAN (by screw only)  
PC Card (by sliding lock and screw)  
User Power-on password, HDD password  
Screen Saver by software

### Bios

TSETUP, APM V1.2, ACPI V1.0b, PnP V1.0a, VESA V2.0, DPMS Support, DDC2B Support, SM BIOS V2.3, PCI BIOS V.2.1 Support  
System Bus Architecture: PCI Bus V2.2

### Operating System

Microsoft® Windows® 2000, NT4.0, 98SE

### Additional Software

VirtualTech™ - 98SE/NT4.0/W2K  
SPANworks™ - 98SE/NT4.0/W2K  
Adobe® Acrobat® Reader™ 4.0 - 98SE/NT4.0/W2K  
Windows Media Player 7 – 98SE/W2K  
Intervideo™ WinDVD - 98SE/W2K  
Microsoft® Internet Explorer® - 98SE/NT4.0/W2K  
Puma® IntelliSync® 97 - NT4.0 Only  
System Soft Card & Socket Services - NT4.0 Only  
Toshiba custom utilities - 98SE/NT4.0/W2K  
Electronic User Guide - 98SE/NT4.0/W2K  
Software may differ from the retail version (if available) and may not include user manuals or all program functionality.

### Warranty

3 years parts and labor, 1 year 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 90% non-condensing

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

Operating: -197 to 9,842 feet

Non-operating: -197 to 32,808 feet

#### Shock:

Operating: 10G, 1.5G when CD/DVD-ROM installed

Non-operating: 60G

#### Vibration:

Operating: 0.5G, 2.5G when CD/DVD-ROM installed

Non-operating: 1.0G

### Accessories

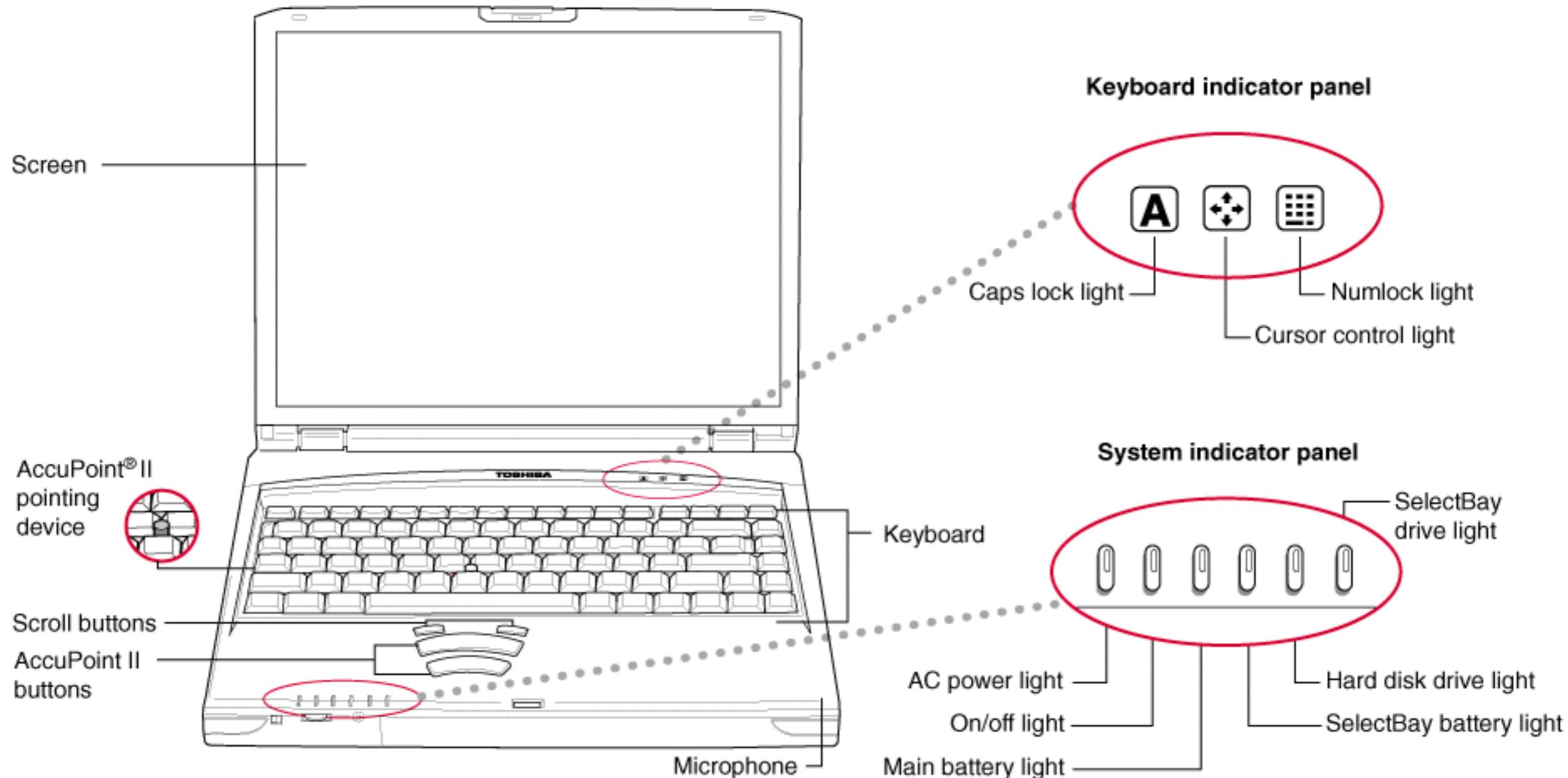
<b>PA3053U-1PCC</b>	<b>Bluetooth PC Card**</b>
<b>PA3065U-1ETC</b>	<b>Wireless LAN Access Point</b>
PA3017U-1PRP	NetDock Port Replicator
PA3018U-1DST	Expansion Station
PA3028U-1PRP	CardDock Port Replicator
PA3021U-1OTR	Monitor Stand
PA3022U-1OTR	Expansion Station (SelectBay Adapter)
PA3023U-1OTR	Expansion Station (HDD Adapter)
PA3020U-1OTR	SelectBay HDD Tray Adapter
PA3062U-1BAR	Primary Battery
PA3010U-1BAR	Secondary Battery (SelectBay)
PA3063U-1CHG	Battery Charger (avail. April 2001)
PA3048U-1ACA	60 Watt AC Adaptor
PA3015U-1CDD	24x CD-ROM Drive
PA3014U-2DVD	DVD-ROM Drive
PA3068U-1CD1	CD-R/RW Drive
PA3073U-1CD2	DVD-ROM/CD-RW Drive
PA3043U-1FDD	3.5 External Floppy Disk Drive (USB)
PA3056U-1H20	20GB* HDD (req. SelectBay adapter)
PA3095U-1H30	30GB* HDD (req. SelectBay adapter)
PA3066U-1PCC	PC Card Fingerprint Reader
KTT-SO100/64	64MB Memory
KTT-SO100/128	128MB Memory
KTT-SO815/256	256MB Memory
NWCC38630	Tecra Carry all, black
NWLS120	Port SelectBay LS120 Drive
31406	lomega SelectBay 250MB Zip Drive

\*GB = 1 billion byte

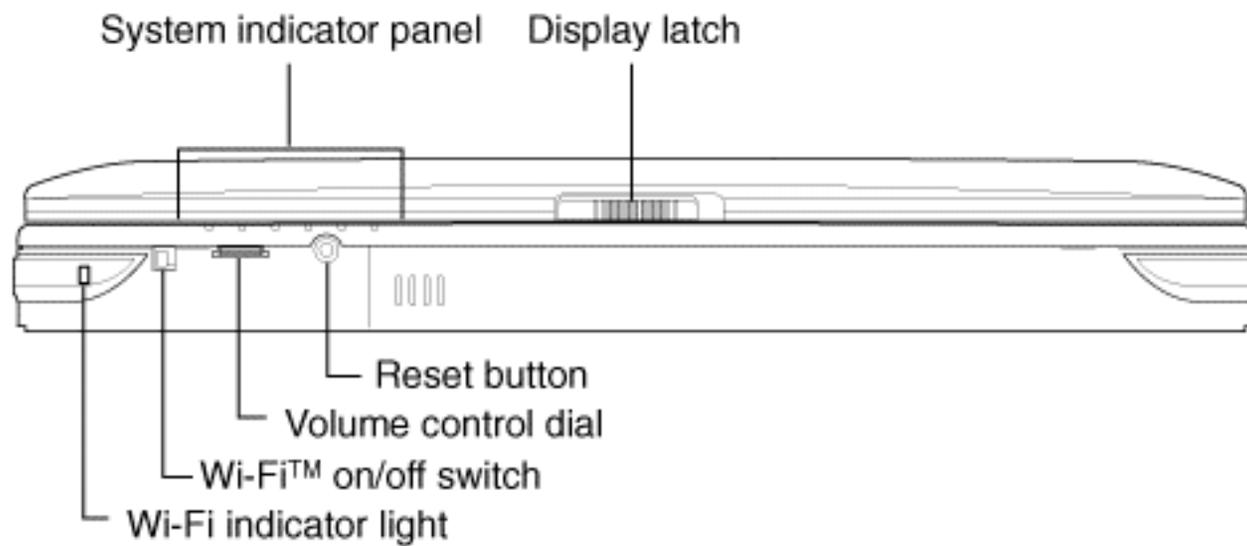
\*\* Bluetooth PC Card compatible with 98SE

\*\*\*For systems not pre-configured with Wireless LAN capabilities

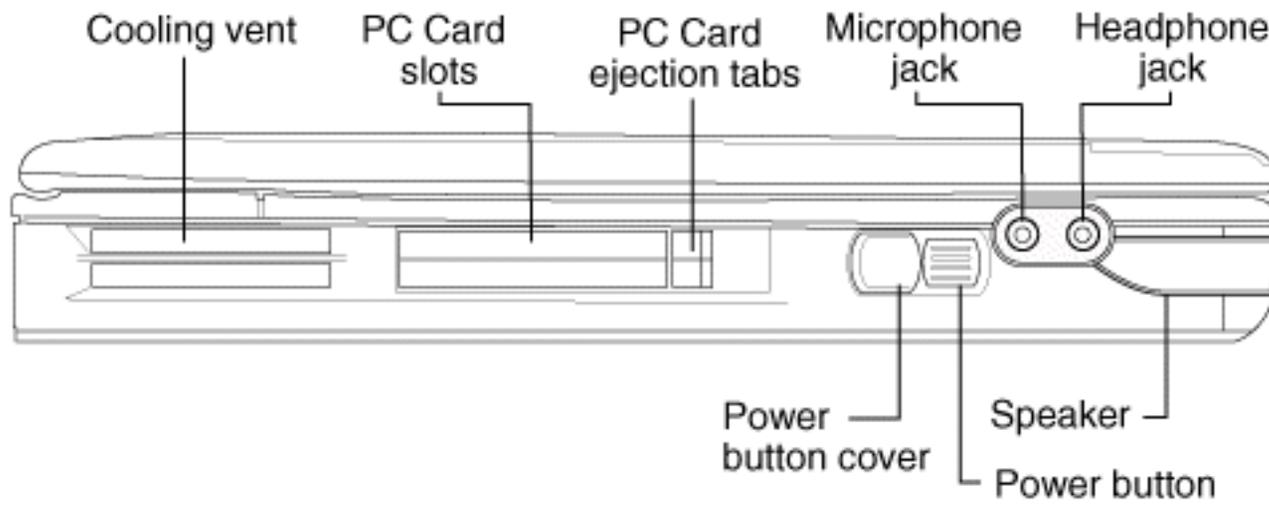
# Front with display open



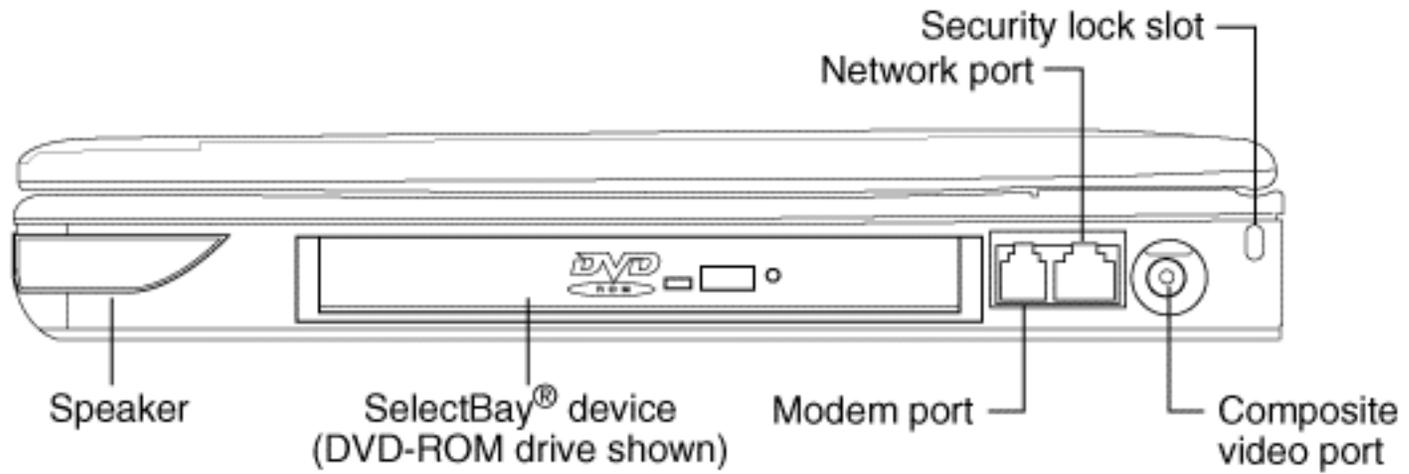
## Front with display closed



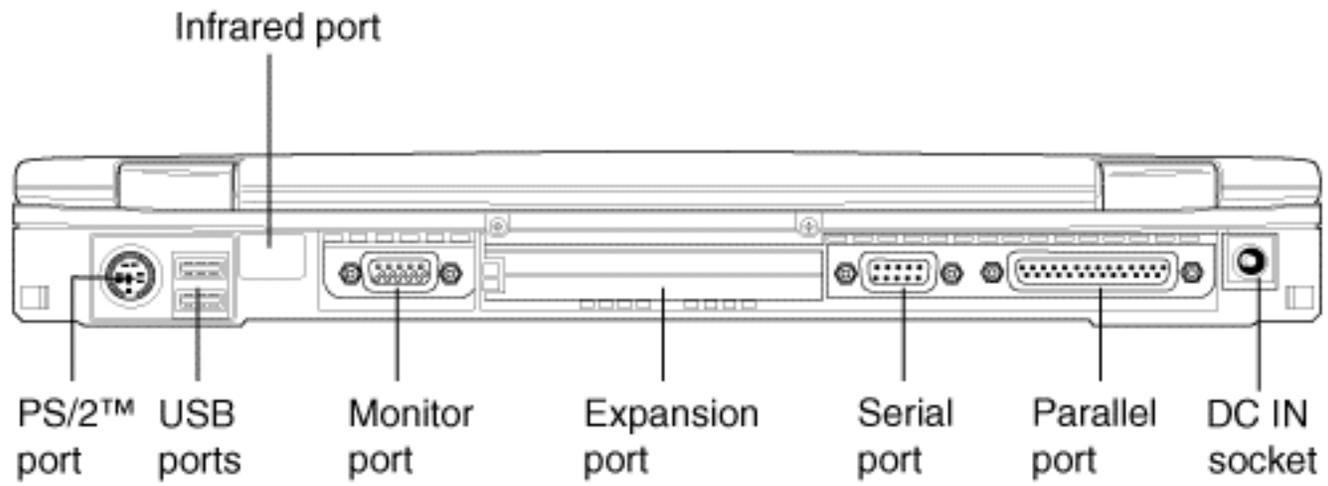
## Left side



## Right side



# Back



## Underside

