

# TOSHIBA

## Satellite® 1800 & 1805 Notebook

Great features and performance at a great price

### Model(s):

- Satellite 1800- S204**
  - Cel 1000/13.3" TFT/256MB/20GB/DVD/Mdml/LAN
- Satellite 1800- S254**
  - PIII 1000/14.1" TFT/256MB/20GB/DVD/Mdml/LAN
- Satellite 1805- S204**
  - Cel 1000/13.3" TFT/256MB/20GB/DVD/Mdml/LAN
- Satellite 1805- S254**
  - PIII 1000/14.1" TFT/256MB/20GB/DVD/Mdml/LAN
- Satellite 1805- S274**
  - PIII 1100/15" TFT/256MB/20GB/DVD-CDRW/Mdml/LAN

### Product Highlights

- **Performance**
  - Intel Celeron 1000MHz (1GHz), PIII 1000MHz (1GHz), or PIII 1100MHz (1.1GHz) processor
  - 256MB expandable to 512MB
- **All-in-one design**
  - 20.0GB hard disk drive
  - DVD-ROM & DVD-ROM/CDRW (1805-S274 only)
  - 3.5" 1.44MB floppy diskette drive
- **Great Features**
  - 13.3" TFT, 14.1" TFT or 15.0" TFT active-matrix display
  - 16MB video memory
- **Get On-Line**
  - Integrated V.90 56K modem
  - Integrated 10/100 Ethernet LAN

### System Characteristics

**Processor**  
Intel Celeron 1000MHz (1805-S204 & 1800-S204), PIII 1000MHz (1GHz) (1805-S254 & 1800-S254), & PIII 1100MHz(1.1GHz) (1805-S274) processors  
Integrated co-processor

**L2 Cache Memory**  
128KB Level 2 Cache integrated in module (1800-S204 & 1805-S204)  
256KB Level 2 Cache integrated in module (1800-S254, 1805-S254, & 1805-S274)  
100MHz front side bus clock speed

**Main Memory**  
256MB SDRAM expandable to 512MB

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

**BIOS ROM**  
512KB; CMOS Flash EPROM; 4Mbit  
Ali Cyber Aladdin-T M1535 Chipset

### MASS STORAGE

**Floppy Disk Drive**  
Built-in 3.5", 1.44MB

**Primary Hard Disk Drive (Toshiba)**  
20.0 GB, 9.5mm height, 0.2lbs, Enhanced IDE (ATA-4), 2.5"  

- 13/13ms average access time (read/write)
- 3/3ms track to track seek time (read/write)

Service removable  
4200 rpm drive rotation  
Supports PIO mode4, Ultra DMA Mode4

### DVD-ROM

Built-in DVD-ROM  
Enhanced IDE (ATAPI Interface)  
Access Time (read/write): 110ms (DVD-ROM)/95ms (CD-ROM)  
Service Removable  
Compatibility: CD-ROM, CD-R (read only), CD-RW (read only), DVD-ROM

Data Transfer Rate (min/max):  

- CD Mode (KB/sec): 1545/3600
- DVD Mode (KB/sec): 4463/10816

Supports PIO Mode4, Ultra DMA Mode2, Multiword DMA Mode2

### DVD-ROM/CDRW (1805-S274 only)

Enhanced IDE (ATAPI Interface)  
Access Time (read/write): 180ms (DVD-ROM)/130ms (CD-ROM)  
Service Removable  
Compatibility: CD-ROM, CD-R, CD-RW, DVD-ROM,  
Data Transfer Rate (min/max):  

- CD Mode (KB/sec): 1552/3600
- DVD Mode (KB/sec): 4463/10820

Supports PIO Mode4, Multiword DMA Mode2  
**Software Decoder:** WinDVD 2000

### Graphics/Video

**Display**  
13.3" TFT (1800-S204 & 1805-S204), 14.1" TFT (1800-S254 & 1805-S254) or 15.0" TFT (1805-S274) active-matrix display  
Internal display supports up to 16M colors at 1024 x 768

### Graphics Controller

Trident CyberAladdin-T graphics controller  

- 16MB external UMA VRAM video memory

3D Graphics Accelerator, AGP bus support  
2D Graphics Accelerator; BitBLT hardware, Hardware cursor, Direct Draw support

### External Color Support

640 x 480; 60/75/85Hz Non-Interlaced @ 16M

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800 x 600; 60/75/85Hz Non-Interlaced @ 16M  
1024 x 768; 60/75/85Hz Non-Interlaced @ 64K  
(60/75Hz Non-Interlaced @ 16M)  
1280 x 1024; 60/75/85Hz Non-Interlaced @ 64K  
1600 x 1200; 60Hz Non-Interlaced @ 64K

### Input Devices

**Keyboard**  
Full sized 85 keys with 12 function keys  
2.7mm key stroke, 6mm height  
Dedicated Windows® & Application keys support  
Hot Key Function  
TouchPad with scroll buttons  
2 Application Buttons

### CD Control Function

- Play/Pause
- Stop/Eject
- Previous
- Skip/Next
- CD Power
- MP3 Control Function

### Instant Access Internet Button

### Expandability

2 memory slots  
2 PC Card slots support two Type II or one Type III PC Cards;  
32-bit CardBus ready

### Ports

- ECP parallel printer port
- Serial port
- Video-Out port
- 2 Universal Serial Bus port
- Infrared port
- Composite TV-Out
- PS/2 port (keyboard, mouse)
- RJ-45 LAN port
- RJ-11 modem port

### Sound

**Ali M1535** Sound chip; AK4543 Codec Chip  
16-bit stereo, Windows Sound System Ver.2.0  
Sound Blaster® Pro compatible (in DOS box only)  
Built-in stereo speakers  
3D sound support with HRTF 3D positional audio  
Direct 3D Sound  
Hardware acceleration for DirectSound and DirectMusic  
Full Duplex support  
MIDI Support

### Ports

- Microphone port
- Headphone port

Sound Volume Control Dial

### Communication

Integrated V.90 56K modem  
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):**  

- 12.5" x 11.0" x 1.8"
- 12.8" x 10.9" x 1.7" (1805-S274 only)

### Weight:

- 7.00 lbs
- 7.39 lbs (1805-S274 only)

### LED Indicators

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

### Power Supply

**AC Adapter**  
75W external AC Adapter  
100-240V / 50-60Hz frequency (Universal) input voltage  
15V x 5A output voltage  
Dimension (LxWxH): 4.9" x 2.4" x 0.9"  
Weight: 0.74 lbs

**Battery Pack**  
9 cell, rechargeable, removable Lithium Ion (Li-Ion) battery  
10.8V x 4500mAh = 48.6Wh  
2.4 hours battery life  
Recharge time: 3.0H unit off / 4.5H or more unit on  
Dimensions (LxWxH): 6.8" x 2.7" x 0.7"  
Weight: 0.8 lbs.  
**Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage and system power load.**

### Security

Slot for computer lock  
Memory, HDD and Modem (by screw only)  
User Power-on password  
Setup Security  
HDD Password  
Keyboard Lock (by Hotkey)  
Screen Blank (by Hotkey)  
Screen Saver (by software)

### Bios

APM, ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PC BIOS  
Support

### Operating System

Microsoft® Windows XP-Home pre-installed (1805-S204, 1805-S254, & 1805-S274)  
Microsoft® Windows XP-Pro pre-installed (1800-S204 & 1800-S254)  
Microsoft® Windows 2000 component drivers on the web

### Additional Software

**Lotus® SmartSuite Millennium Edition (1805-S204, 1805-S254, & 1805-S274 Models)**  
Intuit Quicken Basic 2001  
Norton AntiVirus 2002  
AOL  
Adobe Acrobat Reader v5.0  
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)  
\* The performance stated here may vary at temperature above 30°C (86°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 (13" TFT/14" TFT)/40G (15" TFT)

**Vibration:**  
Operating: 0.5G  
Non-operating: 1.0G

### Accessories

**KINGSTON Memory**

KTT-SO100/64	64MB Memory
KTT-SO100/128	128MB Memory
KTT-SO815/256	256MB Memory

**Cases (Targus)**

NWCTM1	Metropolitan Carrying Case (koskin)
NWCSS1	Suburban Carrying Case (nylon)
NWCCEB1	Expedition Backpack
NWCER1	Excursion Roller

**Other Accessories**

PA3083U-1ACA	75W universal AC adapter
PA2487URG	Li-Ion Battery Pack
PA2488U	Battery Charger
PA3079U-1PCC	2GB Type II HDD
PA450U	Targus Defcon Key Lock
CMDO090	Targus Keep You Connected Kit

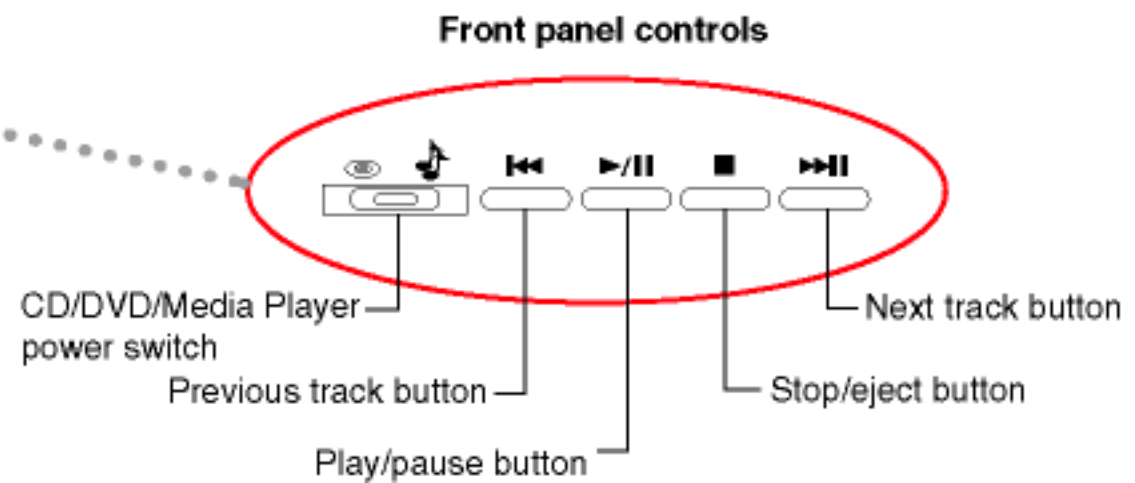
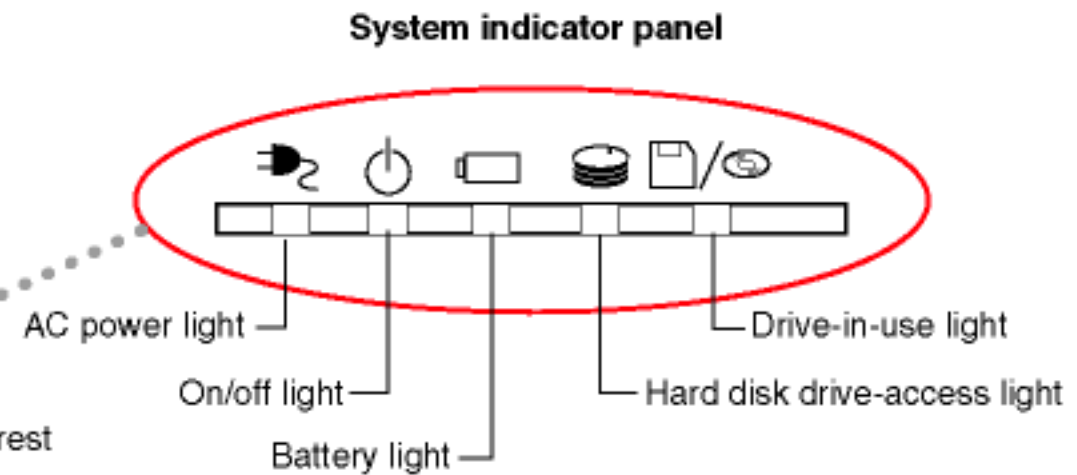
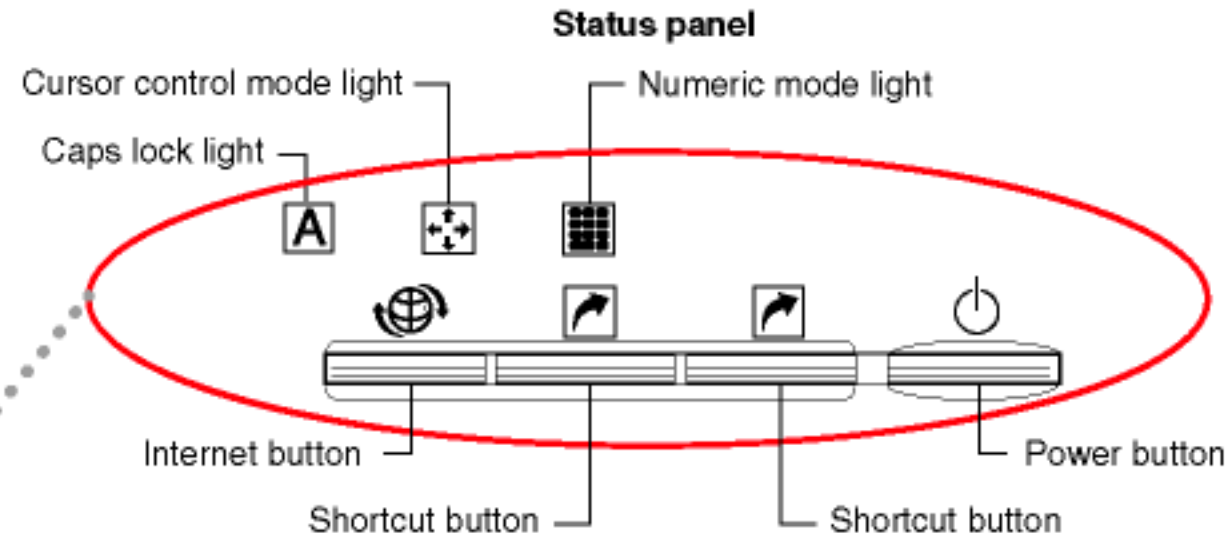
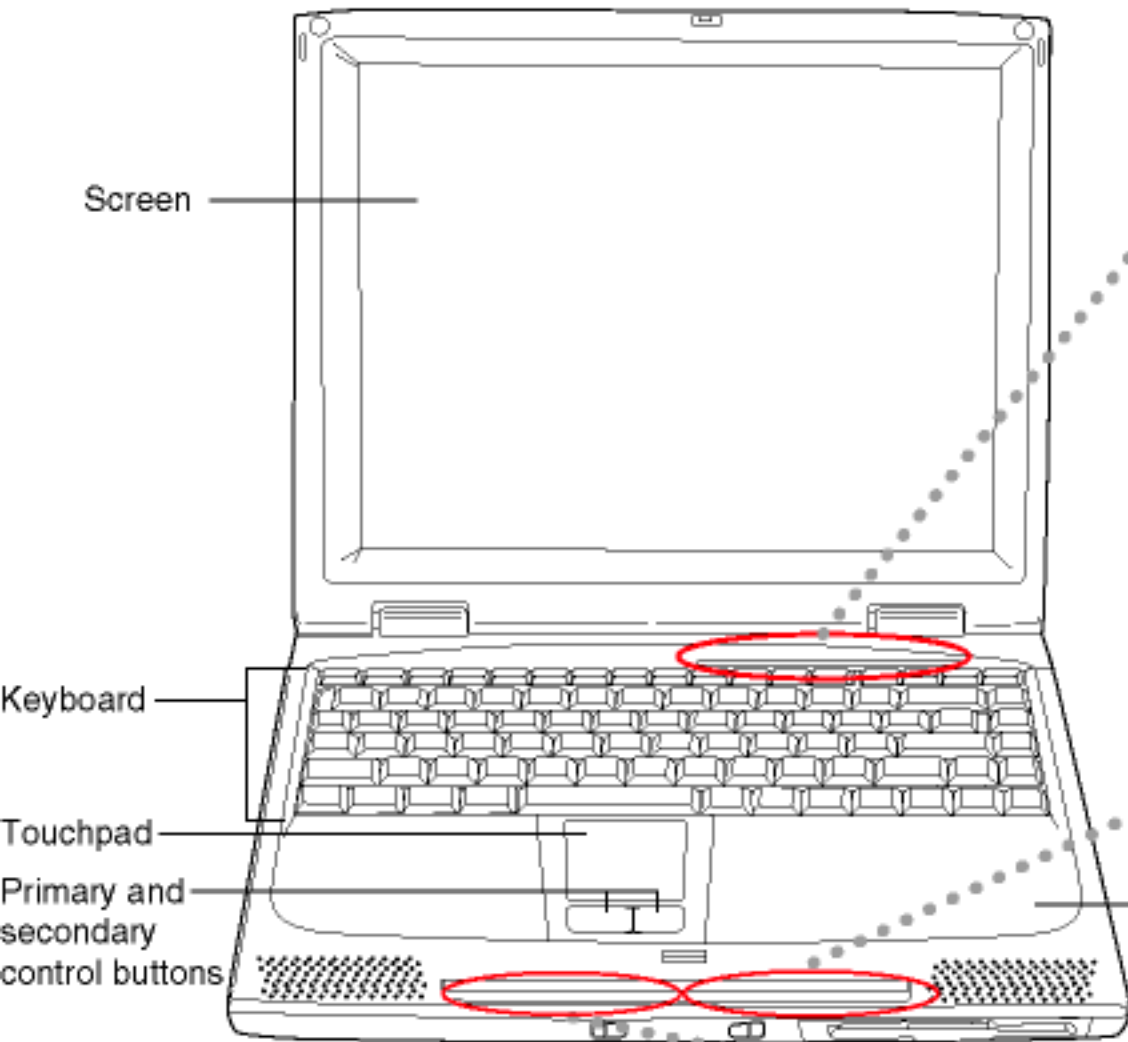
**Wi-Fi (Agere)**

8484415560	Orinoco Wireless LAN PC Card (Gold)
8485582350	Orinoco AP-1000 Access Point w/128wep Gold Card
8485878380	Orinoco AP-500 Access Point
8485463880	Orinoco RG-1000 Residential Gateway
8485893390	Orinoco Range Extending Antenna

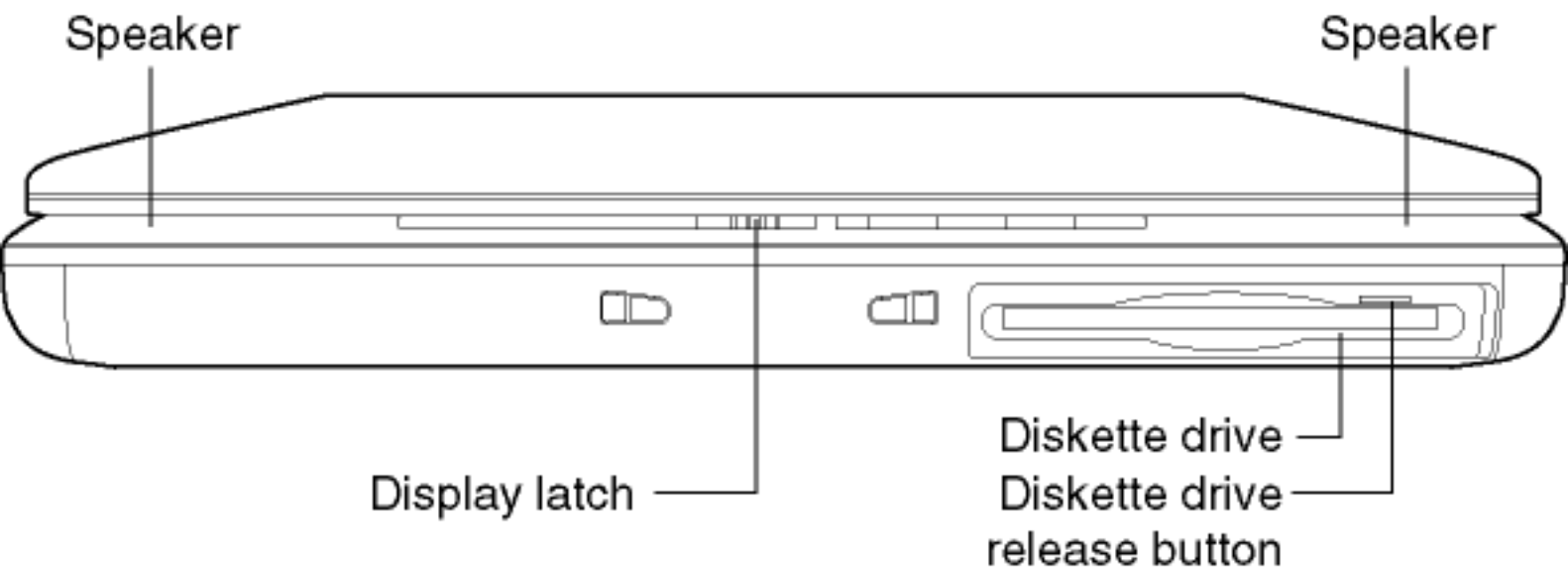
### Product/Part Number

Satellite 1800-S204	PS183U-00KP07
Satellite 1805-S204	PS183U-00KPOX
Satellite 1800-S254	PS183U-00C507
Satellite 1805-S254	PS183U-00C50X
Satellite 1805-S274	PS183U-00JRSX

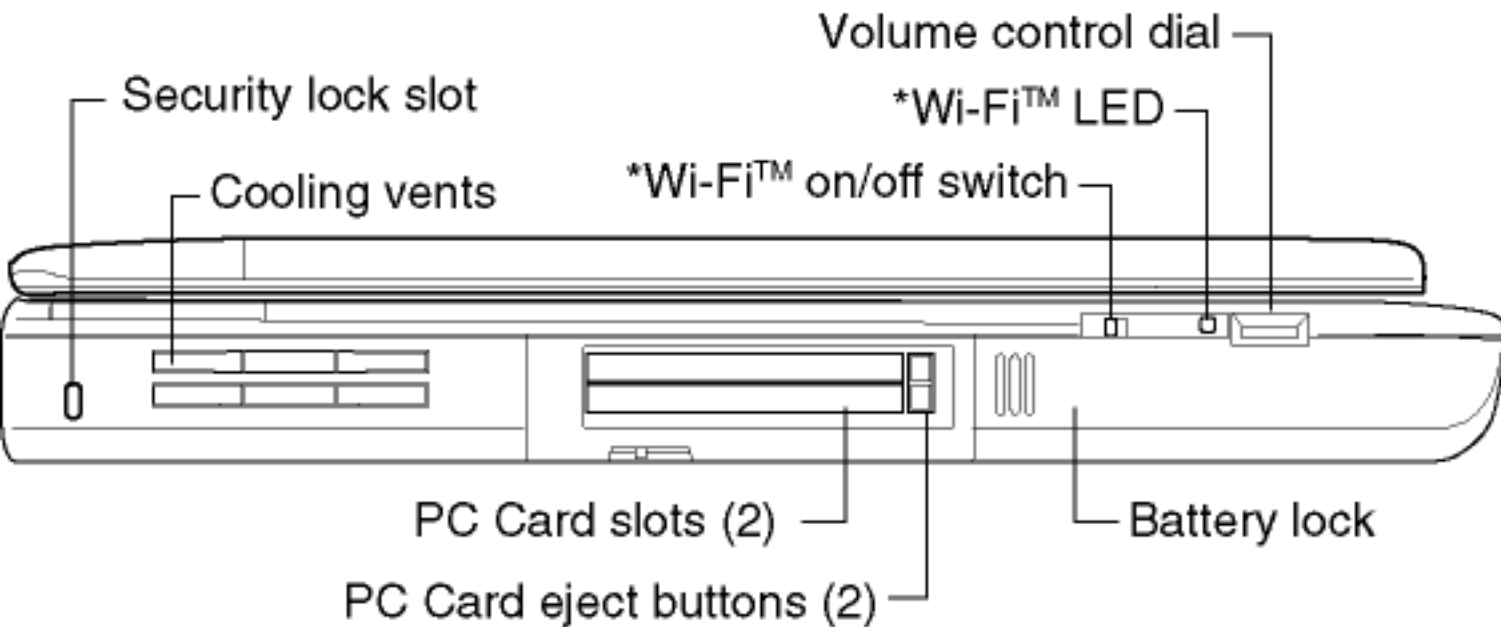
# Front with display open



# Front with display closed

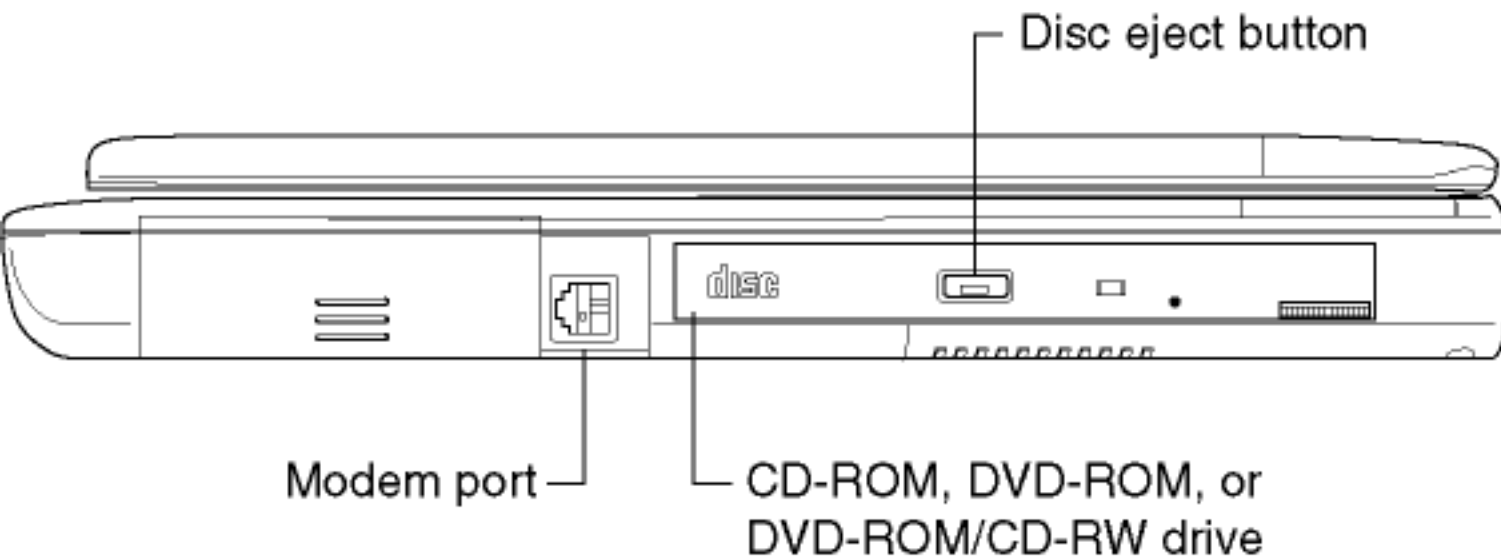


# Left side

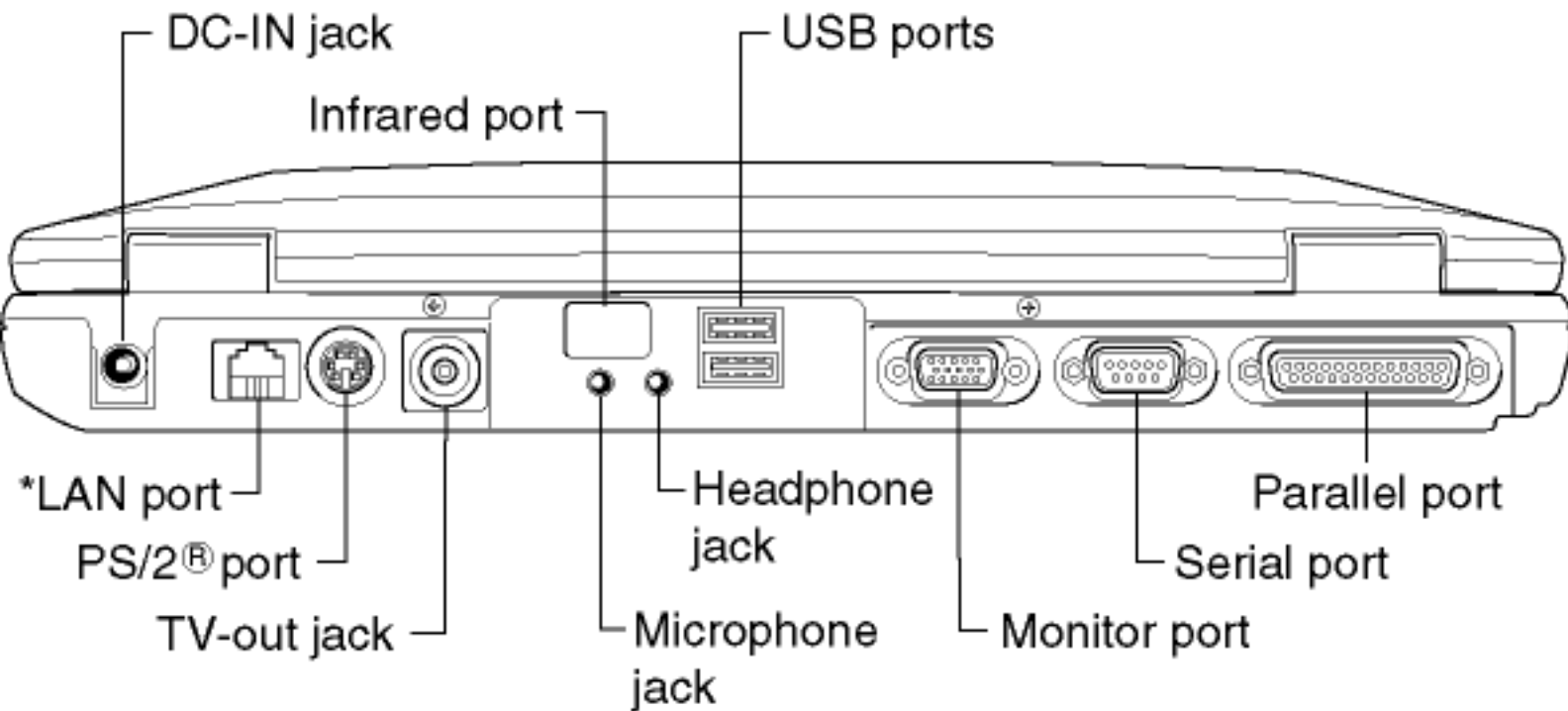


\*For systems with Wi-Fi only

# Right side



# Back



\*For systems with LAN only

# Underside

