

# TOSHIBA

## Satellite® 2400-S251/252 Series

All the performance you need at a great value

### Model(s):

#### Satellite 2400-S251

P4 1700MHz, 15.0" TFT, 256MB, 30GB, DVD/CD-RW, Mdm, LAN, WinXP Pro

#### Satellite 2400-S252

P4 1700MHz, 15.0" TFT, 256MB, 30GB, DVD/CD-RW, Mdm, LAN, WinXP Home

### Part Numbers

PS240U-02S4H7

PS240U-02S4H3

## Satellite® 2400 Small Business Series Notebooks

### Model(s):

#### Satellite 2400-S251 Small Business Series (Office XP SB)

P4 1700MHz, 15.0" TFT, 256MB, 30GB, DVD/CD-RW, Mdm, LAN, WinXP Pro, Office XP SB

PS240U-02S4H7W

#### Satellite 2400-S251 Small Business Series (Office XP Pro with Publisher™)

P4 1700MHz, 15.0" TFT, 256MB, 30GB, DVD/CD-RW, Mdm, LAN, WinXP Pro, Office XP Pro

PS240U-02S4H7X

### Product Highlights

#### Performance

- Mobile Intel® Pentium® 4 processor-M at 1.70GHz
- 256MB expandable to 512MB

#### All-in-one design

- 30GB hard disk drives
- DVD-ROM/CDRW multi-function drive
- 3.5" 1.44MB floppy diskette drive

#### Great Features

- 15.0" TFT active matrix display
- 16MB S3 Super Savage video memory

#### Get On-Line

- Integrated V.90/56K modem
- Integrated 10/100 Ethernet LAN

1024 x 768; 60/75/85Hz Non-Interlaced @16M  
60/75/85/100Hz Non-Interlaced @64K  
1280 x 1024: 60/75Hz Non-Interlaced @16M  
60/75/85Hz Non-Interlaced @64K  
1600 x 1200; 60Hz Non-Interlaced @16M  
60/75/85/Hz Non-Interlaced @64K  
1920 x 1440; 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; HotKey function; TouchPad pointing device w/scroll wheel (by Alps); Scroll function (by help of driver)
- **CD Control Function:** Play/Pause, Stop/Eject, Previous, Skip/Next, CD Power
- Instant Access Internet Button
- Toshiba Console Button

#### Expandability

- 2 Expansion memory slots; 2 PC Card slots support 2 Type II or 1 Type III PC Cards; 32-bit CardBus ready

#### Communications

- 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.

#### Ports

- Parallel (ECP) port
- RGB Port (Monitor)
- 3 Universal Serial Bus port
- Infrared port
- TV-Out (NTSC/PAL output; RCA jack)
- RJ-45 LAN port
- RJ-11 modem port
- SD (Secure Digital) slot

#### Physical Description

- Dimensions (LxWxH): 12.8" x 11.2" x 1.7"
- Weight: 7.81lbs
- LED Indicators: Power, Power Save Mode, HDD, FDD, CD/DVD, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, System Sleep / Suspend status

#### Sound

- YMF753 Codec Chip; Software sound chip
- 16-bit stereo; Built-in stereo speakers
- 3D sound support; Direct 3D Sound; DirectSound (supported by driver) and DirectMusic; Full Duplex and MIDI support
- Sound Volume Control Dial
- **Ports:** Microphone port, headphone port

#### Power Supply

- **AC Adapter:** 75W external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 15V x 5A Output.  
**Dimensions (LxWxH):** 5.5" x 2.2" x 1.1"  
**Weight:** 0.8 lbs
- **Battery Pack:** 9-cell, rechargeable, removable Li-Ion battery,

### System Characteristics

#### CPU (See CPU Performance Disclaimer)

- Mobile Intel® Pentium® 4 processor-M at 1.70GHz
- Integrated co-processor

#### L2 Cache

- 512KB Level 2 Cache integrated on die
- 400MHz front side bus clock speed

#### Memory

- 256MB expandable to 512MB; SODIMM expansion memory
- 128Mbit/256Mbit PC2100 DDR, 2.5V
- Data/Address Bus Width; 64-bit/32-bit
- BIOS ROM: Intel FWH, 4Mbit
- Intel 82845MZ

#### Mass Storage

- **Floppy Disk Drive:** 3.5", 1.44MB
- **Primary Hard Disk Drive:** 30GB hard disk drives; Enhanced IDE (ATA-5); 9.7mm height max, 0.2lbs, 14.3ms average access time (read/write), 3ms track to track seek time (read/write), supports PIO mode4, Ultra DMA mode5, Multiword DMA mode 2, service removable
- **DVD-ROM/CDRW:** Enhanced IDE (ATAPI Interface); Compatibility: CD-ROM, CD-R (read/write), CD-RW (read/re-write), DVD-ROM, DVD-R (read only), 180ms (DVD-ROM)/130ms (CD-ROM) Access time (read/write);, supports PIO mode4, Ultra DMA mode2, Multiword DMA mode2,
- Software Decoder: WinDVD

#### Graphics/Video

- 15.0" TFT active-matrix display; Internal display supports up to 16M colors at 1024 x 768
- S3 Super Savage graphics controller; 16MB internal video memory
- 3D Graphics Accelerator, AGP bus support; 2D Graphics Accelerator, BitBLT hardware, Hardware cursor, Direct Draw support
- External Color Support/Refresh rate: 800 x 600; 60/75/85/100Hz Non-Interlaced @16M

10.8V x 4500mAh = 48.6Wh

**Dimension (LxWxH):** 6.8" x 2.7" x 0.7"

**Weight:** 0.8 lbs

- Approx. 3h11m battery life; Recharge time (Off/On): 3h/4h-11h+  
Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage.

#### Security

- Slot for computer lock, HDD and memory (by screw only), Main Battery Pack (sliding lock), Built-in Modem (screw only), User Power-on password, Setup Security, HDD Password, Keyboard Lock (by HotKey), Screen Blank (by Hotkey), Screen Saver by software, Fingerprint security (optional PC Card type)

#### Bios

- TSETUP, APM, ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PC BIOS support

#### Operating System

- **Microsoft® Windows XP Pro (2400-S251; 2400 Small Business Series)** pre-installed
- **Microsoft® Windows XP Home (2400-S252)** pre-installed
- Windows 2000 component drivers on the web

#### Additional Software

- Microsoft® Office XP SB (Small Business)\*  
*\*(on some models- See Product/Part Numbers below)*
- Microsoft® Office XP Pro (Professional with Publisher™)\*  
*\*(on some models- See Product/Part Numbers below)*
- Lotus® SmartSuite Millennium Edition (**2400-S252 only**)
- Intuit Quicken Basic 2001
- Norton AntiVirus 2002
- AOL (3 –Month offer)
- Adobe Acrobat Reader
- Microsoft Internet Explorer
- Toshiba Custom Utilities
- Satellite Series Online Documentation
- **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); 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: 40G
- **Vibration:** Operating: 0.1G; Non-operating: 1.0G

## Accessories

### Kingston Memory

KTT3614/128 128MB PC2100 DDR Memory  
KTT3614/256 256MB PC2100 DDR Memory

### Toshiba Secure Digital (SD) Memory

SD-M3203B3 32MB SD Card  
SD-M6403B3 64MB SD Card  
SD-M1283B3 128MB SD Card

### Cases (Targus)

NWCTM1 Metropolitan Carrying Case (koskin)  
NWCSS1 Suburban Carrying Case (nylon)  
NWCEB1 Expedition Backpack  
NWCER1 Excursion Roller

### Other Accessories

PA3083U-1ACA 75W universal AC adapter  
PA3107U-1BRS Li-Ion Battery Pack  
PA2488U Battery Charger  
PA3079U-1PCC 2GB Type II PC Card HDD  
PA450U Targus Defcon Key Lock

### Wi-Fi (Agere)

8484415560 Orinoco Wireless LAN PC Card (Gold)  
8485582350 Orinoco AP-1000 Access Point  
8485878380 Orinoco AP-500 Access Point  
8485893390 Orinoco Range Extending Antenna

## Product/Part Numbers/UPC

### Satellite 2400 Small Business Series

Satellite 2400-S251 (Win XP Pro) PS240U-02S4H7  
Satellite 2400-S252 (Win XP Home) PS240U-02S4H3

### Satellite 2400 Small Business Series

Satellite 2400 Small Business Series (Win XP Pro & Office XP SB)  
PS240U-02S4H7W

Satellite 2400 Small Business Series (Win XP Pro & Office XP Pro)  
PS240U-02S4H7X

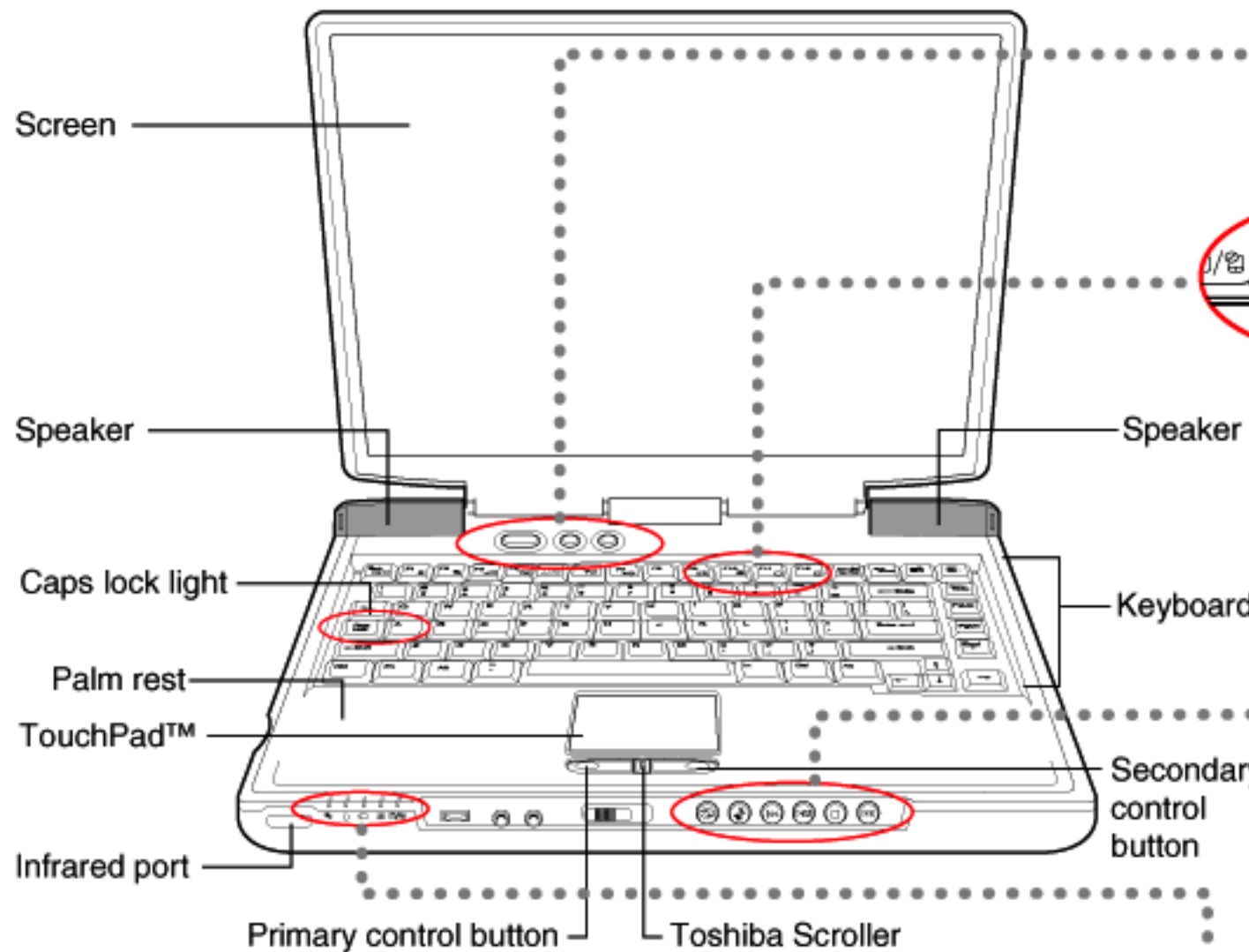
### Central Processing Unit ("CPU") Performance Disclaimer:

CPU performance in your computer product may vary from specifications under the following conditions:

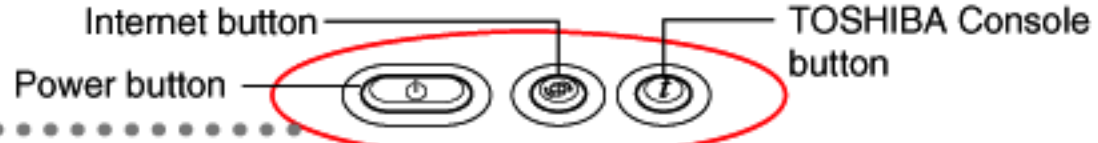
- use of certain external peripheral products
- use of battery power instead of AC power without changing factory pre-set power management settings
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

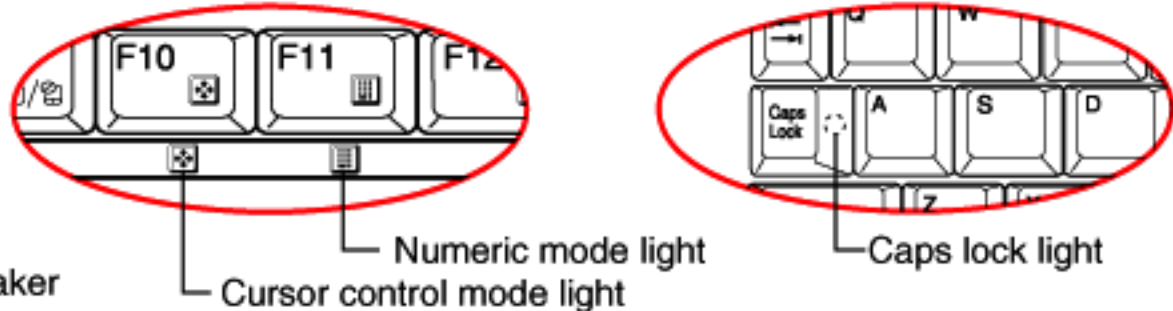
# Front with display open



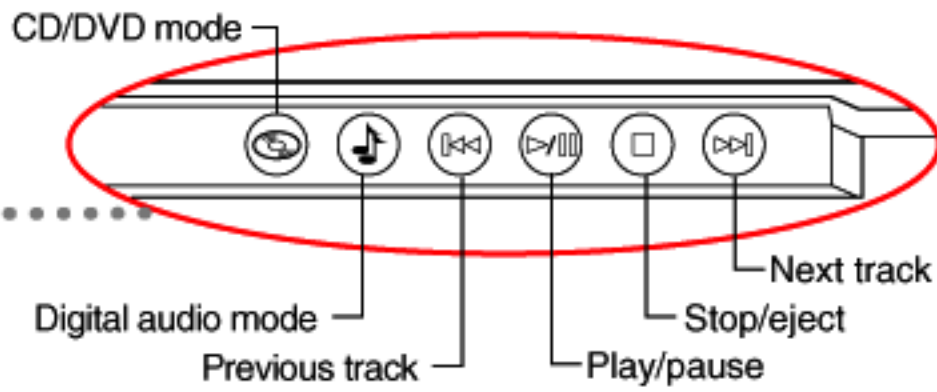
## Panel buttons



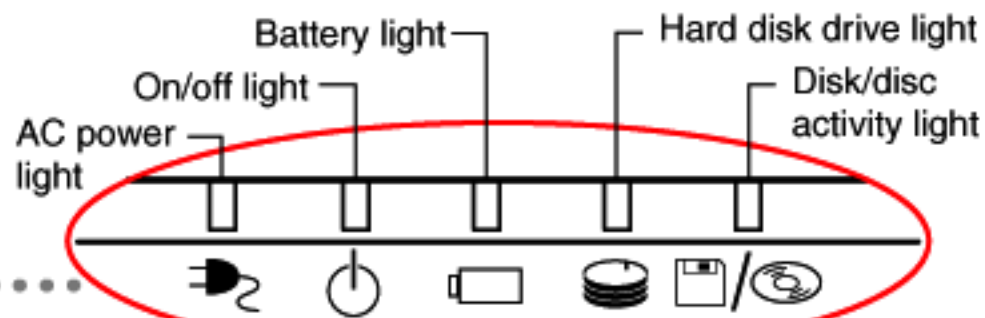
## Keyboard indicator lights



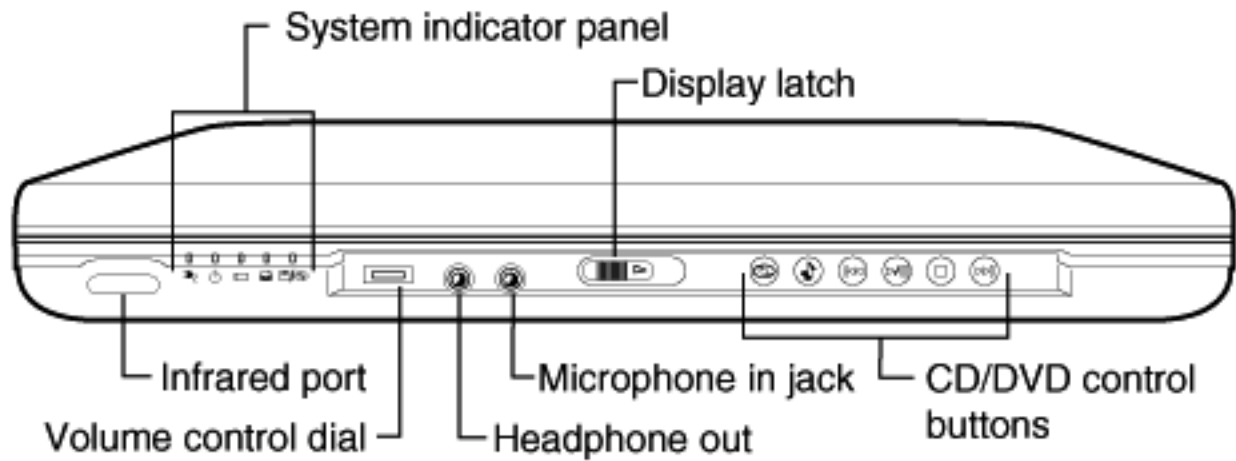
## CD/DVD control buttons



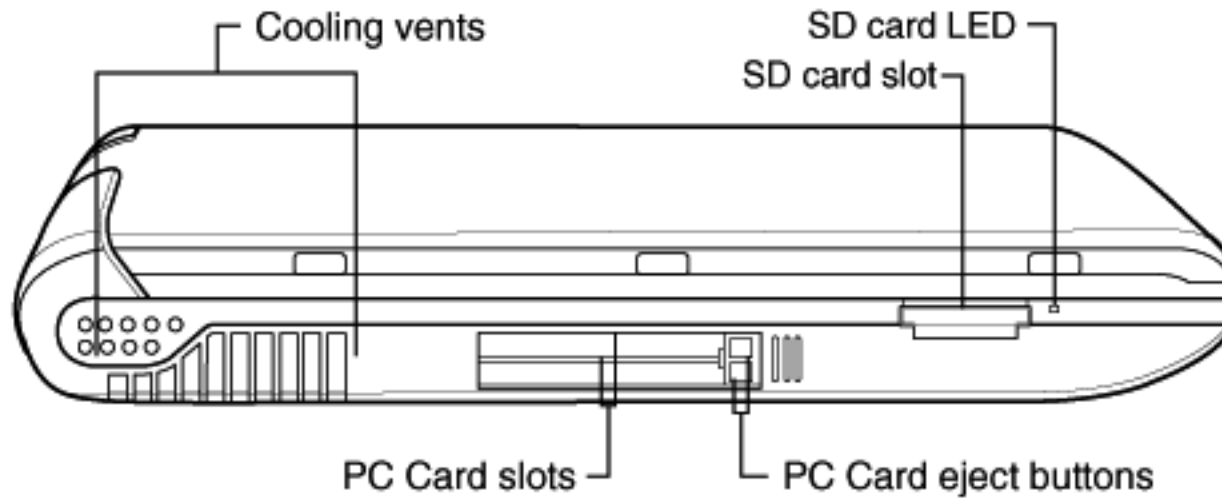
## System indicator panel



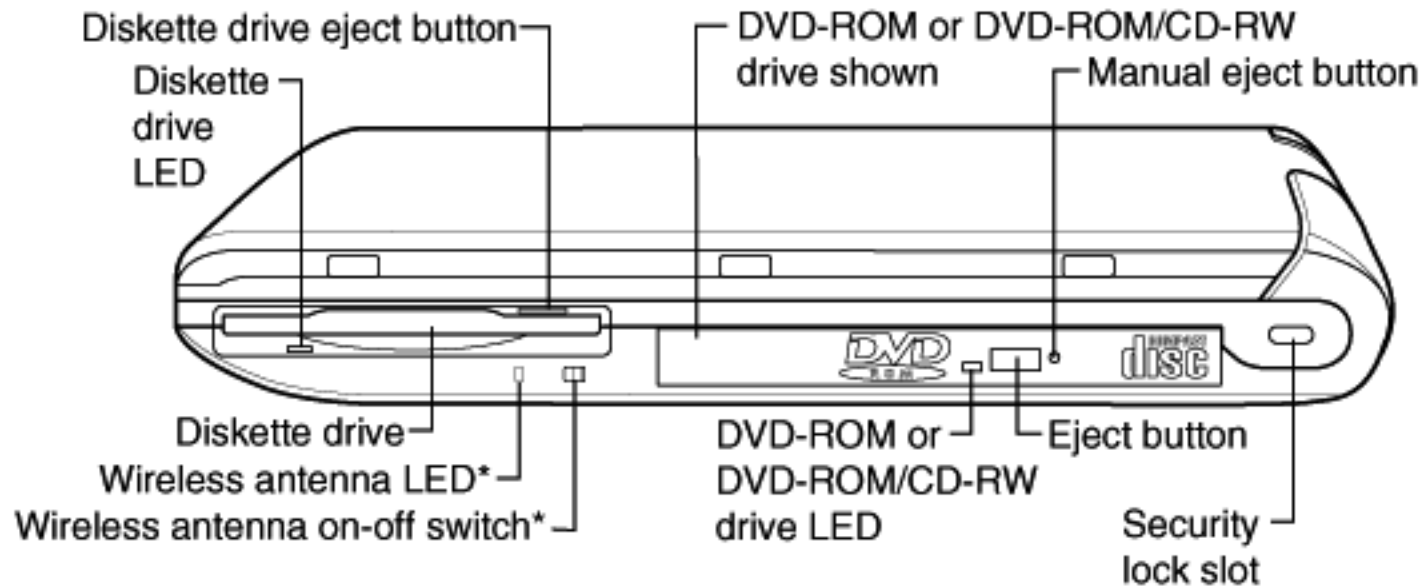
## Front with display closed



## Left side

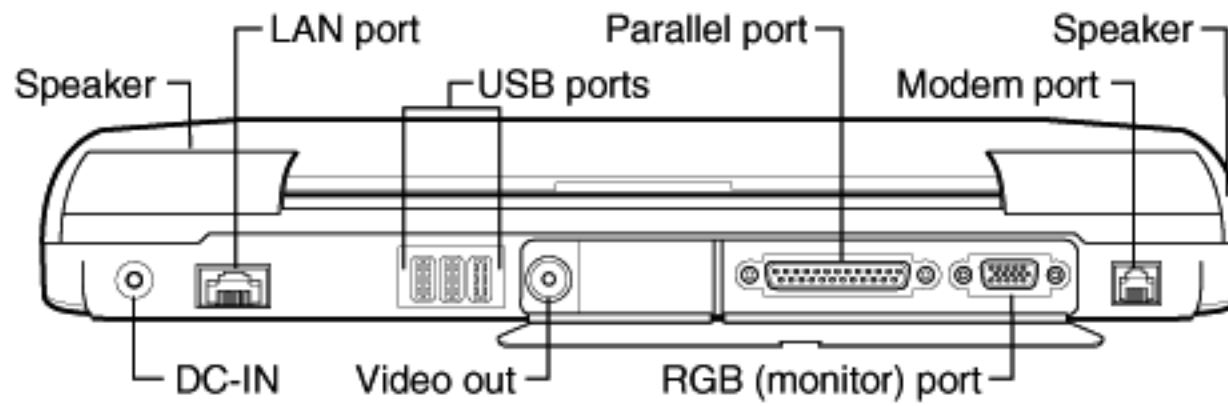


## Right side

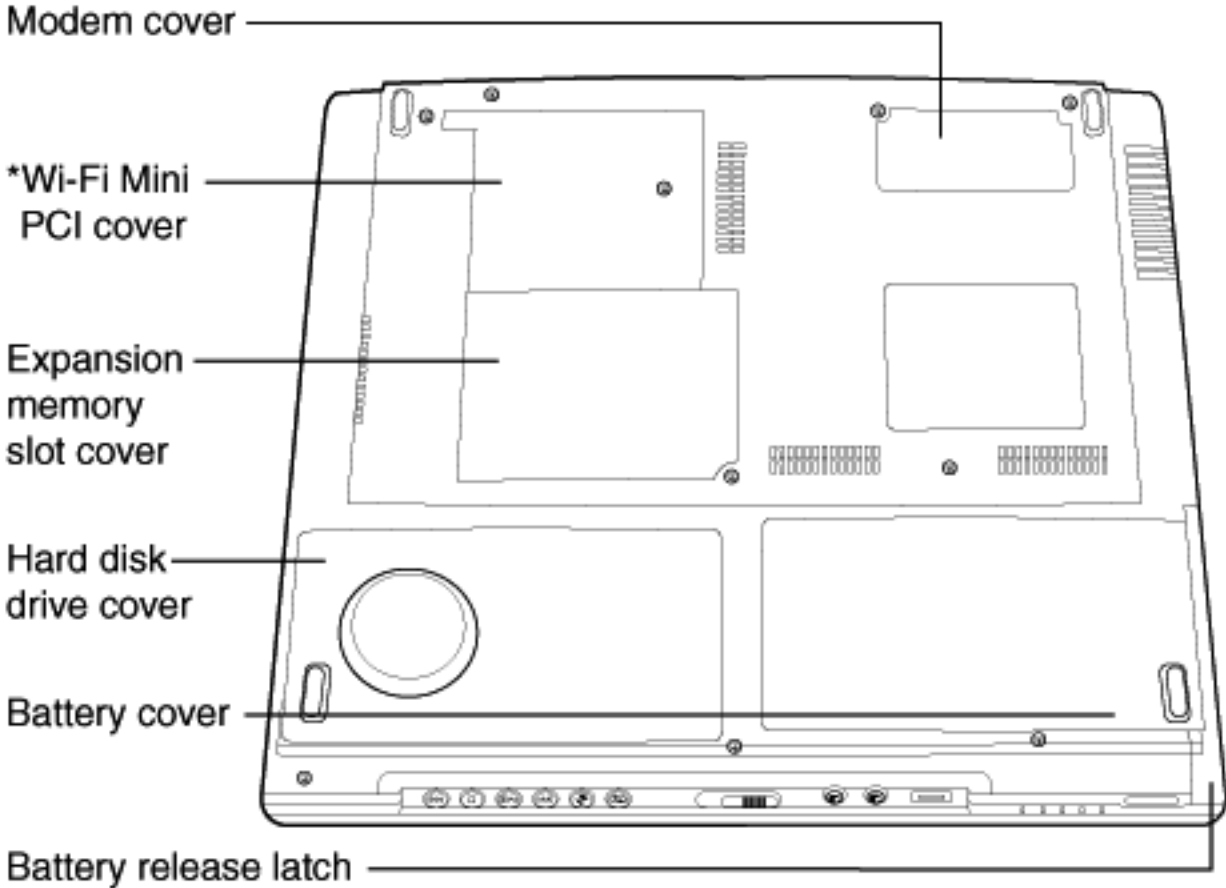


(\*only functional for systems with Wi-Fi™)

# Back



# Underside



\*For systems with Wi-Fi