TOSHIBA
Satellite® 2410 Series

Model(s): Part Numbers

Satellite 2410-S203
P4 1800MHz/15.0"TFT/256MB/30GB/DVD-CDRW/Mdm/LAN/WinXP Pro — PS241U-2DC2P7

Satellite 2410-S204
P4 1800MHz/15.0"TFT/256MB/30GB/DVD-CDRW/Mdm/LAN/WinXP Home — PS241U-2DC2P3

Satellite 2410 Small Business Series
P4 1800MHz/15.0"TFT/256MB/30GB/DVD-CDRW/Mdm/LAN/Win XP Pro/**Office XP SB** — PS241U-2DC2P7W
P4 1800MHz/15.0"TFT/256MB/30GB/DVD-CDRW/Mdm/LAN/Win XP Pro/**Office XP Pro** — PS241U-2DC2P7X

Product Highlights

Performance
- Mobile Intel® Pentium® 4 processor-M at 1.80GHz
- 256MB expandable to 1024MB

All-in-one design
- 30GB hard disk drive
- DVD-ROM/CDRW multi-function drive
- 3.5" 1.44MB floppy diskette drive

Great Features
- 15.0" TFT active matrix display
- 16MB nVIDIA GeForce4 420 Go video memory

Get On-Line
- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN

System Characteristics

CPU *(See CPU Performance Disclaimer)*
- Mobile Intel® Pentium® 4 processor-M at 1.80GHz*
- Integrated co-processor

L2 Cache
- 256KB Level 2 Cache integrated in module
- 400MHz front side bus clock speed

Memory
- 256MB expandable to 1024MB; SODIMM expansion memory
- 128/256/512MB PC2100 SDRAM, 2.5V
- Data/Address Bus Width; 64-bit/32-bit
- BIOS ROM: 4Mbit, Intel FWH
- Intel 845MP Chipset

Mass Storage
- **Floppy Disk Drive**: 3.5", 1.44MB
- **Primary Hard Disk Drive**: 30GB hard disk drive; Enhanced IDE (ATA-5); 9.7mm height, 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 mode2, 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), supports PIO mode4,, Multiword DMA mode2, Ultra DMA mode2
- Software Decoder: WinDVD

Graphics/Video
- 15.0"TFT active-matrix display; Internal display supports up to 16M colors at 1024 x 768
- nVIDIA GeForce4 420 Go 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
  1024 x 768; 60/75/85/100Hz Non-Interlaced @16M
  1280 x 1024; 60/75/85/100Hz Non-Interlaced @16M
  1600 x 1200; 60/75/85/100Hz Non-Interlaced @16M
  1920 x 1440; 60/75Hz Non-Interlaced @16M
  2048 x 1536; 60Hz Non-Interlaced @16M

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/Wheel; 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 slot (including main memory slot); 2 PC Card slots support 2 Type II or 1 Type III PC Cards; 32-bit CardBus ready

Communications
- Integrated V.92/56K 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
- ECP Parallel printer port
- RGB Port (Monitor)
- 3 Universal Serial Bus ports
- Infrared port
- TV-Out (NTSC/PAL output; RCA jack)
- RJ-45 LAN port
- RJ-11 modem port
- SD Card

Physical Description
- Dimensions (LxWxH): 12.8" x 11.2 x 1.7"
- Weight: 7.8lbs
- LED Indicators: Power, Power Save Mode, HDD, FDD, CD/DVD-ROM, 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
- 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: 0.88lbs
- **Battery Pack: 9**-cell, rechargeable, removable Li-Ion battery, 10.8V x 4500mAh = 48.6Wh
  Dimension (LxWxH): 6.8" x 2.7" x 0.7"
  Weight: 0.8 lbs
- Up to **2.52H** battery life; Recharge time (on/off): 3H/4H-11H+ 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. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see your accessories information that shipped with your computer or visit the Toshiba website at http://www.accessories.toshiba.com/

Security
- Slot for computer lock, Main Battery Pack (sliding lock), HDD and memory (by screw only), Built-in Modem/LAN (screw only), User Power-on password, Setup Security, HDD Password, Keyboard

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Lock (by Hotkey), Screen Blank (by Hotkey), Screen Saver by software, Fingerprint Security (External PC Card Type)

Bios

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

Operating System

- **Microsoft® Windows XP Pro (2410-S203)** pre-installed
- **Microsoft® Windows XP Home (2410-S204)** 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) ***(on some models – See Product/Part Numbers below)**
- Intuit Quicken Basic 2001
- Norton AntiVirus 2002
- AT&T Worldnet® Service – 1 Month Free*
  **Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only. Offer expires 4/30/04.*
- 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: 50G
- **Vibration:** Operating: 0.1G; Non-operating: 1.0G

Accessories

Toshiba Accessories

PA3083U-1ACA	75W Universal AC adapter
PA3107U-1BRS	Li-Ion Battery Pack
PA2488U	Battery Charger

Kingston Memory

KTT3614/128	128MB PC2100 SDRAM Memory
KTT3614/256	256MB PC2100 SDRAM Memory
KTT3614/512	512MB PC2100 SDRAM Memory

Targus (Cases-Security)

NWCTM1	Metropolitan Carrying Case (koskin)
NWCSS1	Suburban Carrying Case (nylon)
PA450U	Targus Defcon Key Lock

Agere (Wi-Fi)

8484415560	Wireless LAN PC Card (Gold)
8485878380	AP-500 (802.11b) Access Point
7000011030	AP-2000 (802.11a/b) Access Point
PA3212U-1MPC *	Wireless LAN Card Kit

(Must be installed by Wireless Authorized Service Provider)

Product/Part Numbers/UPC

Satellite 2410-S203 (Win XP Pro)	PS241U-2DC2P7
Satellite 2410-S204 (Win XP Home)	PS241U-2DC2P3
Satellite 2410 Small Business Series (Office XP SB)	PS241U-2DC2P7W
Satellite 2410 Small Business Series (Office XP Pro)	PS241U-2DC2P7X

**** 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.

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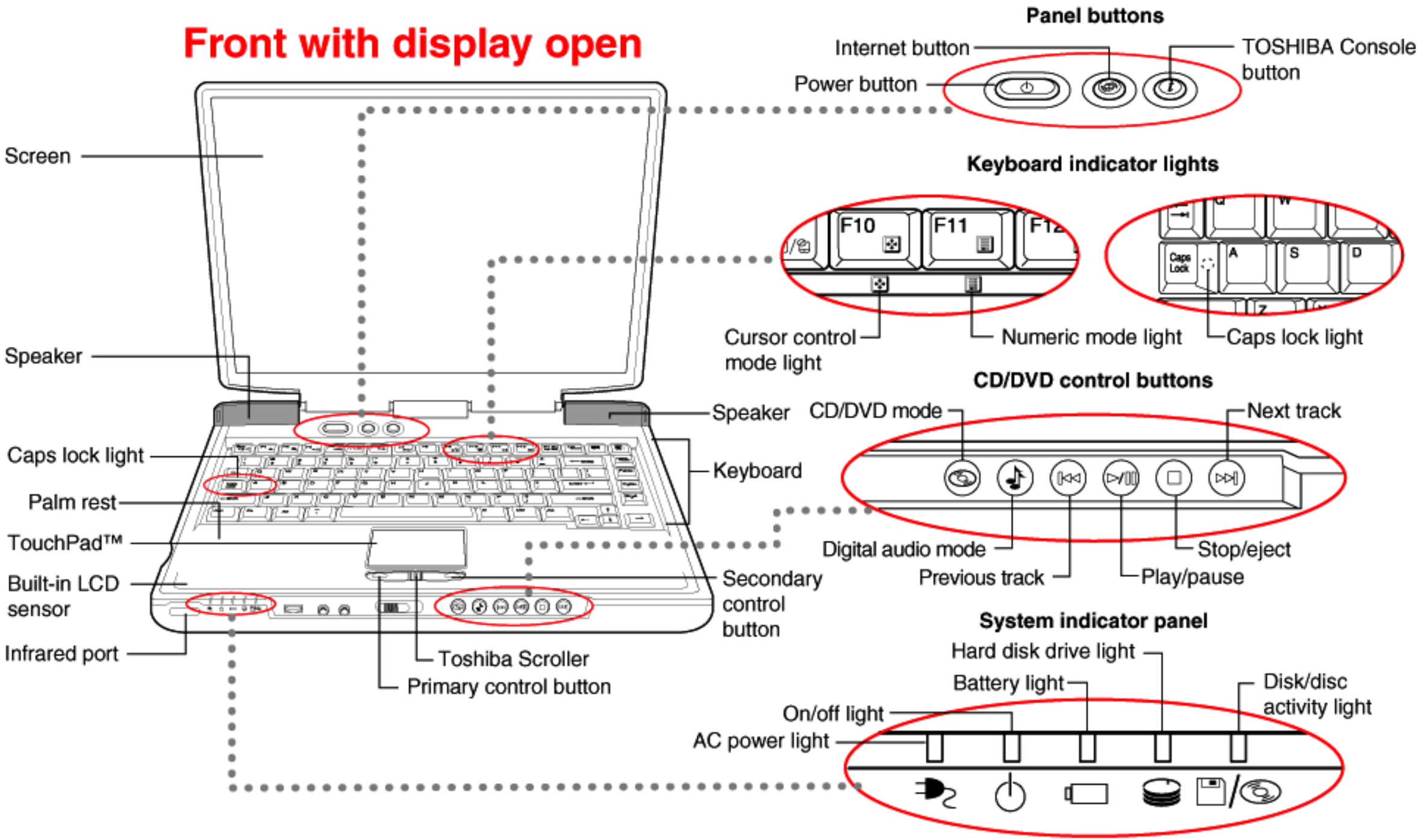

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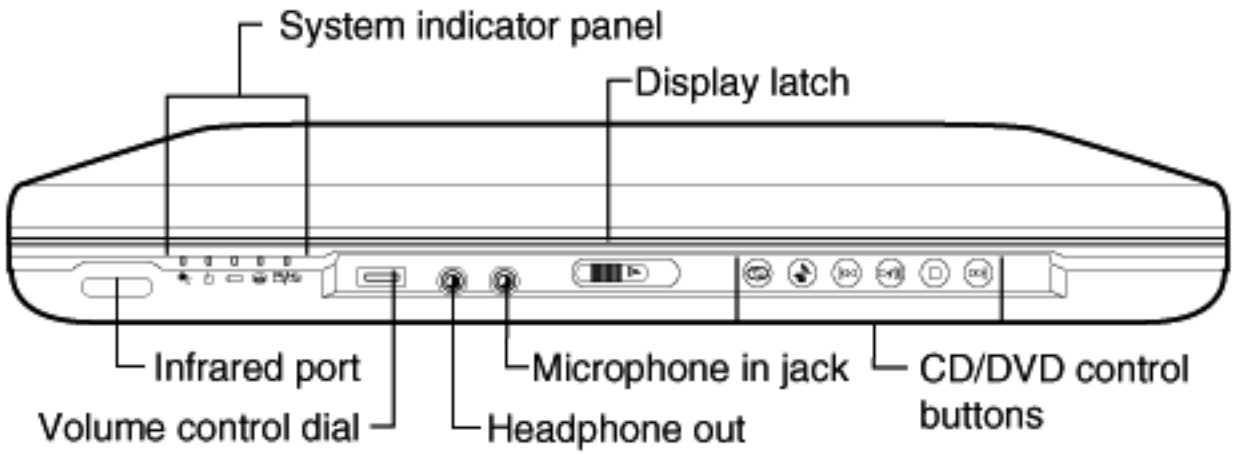

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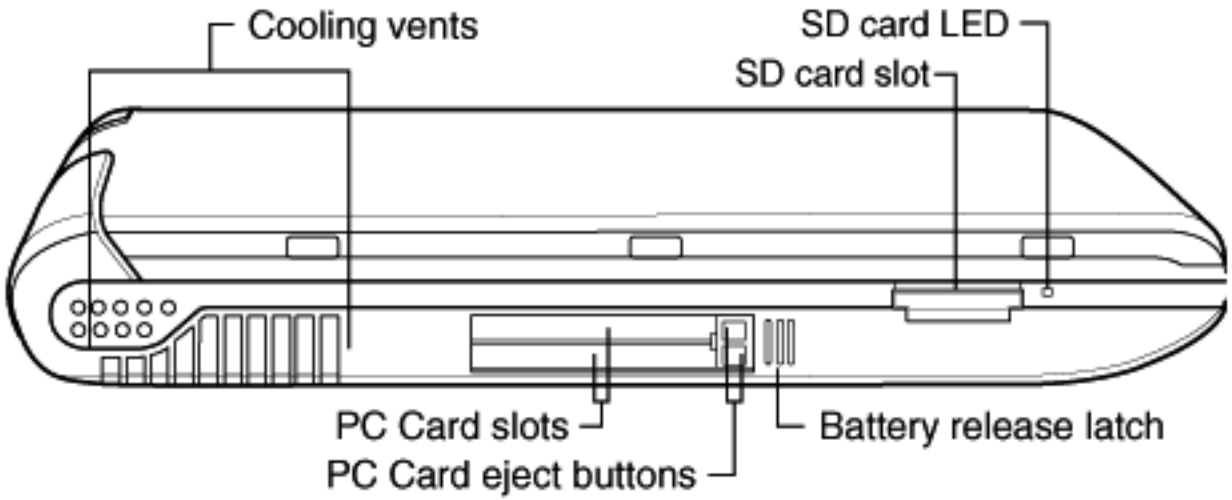

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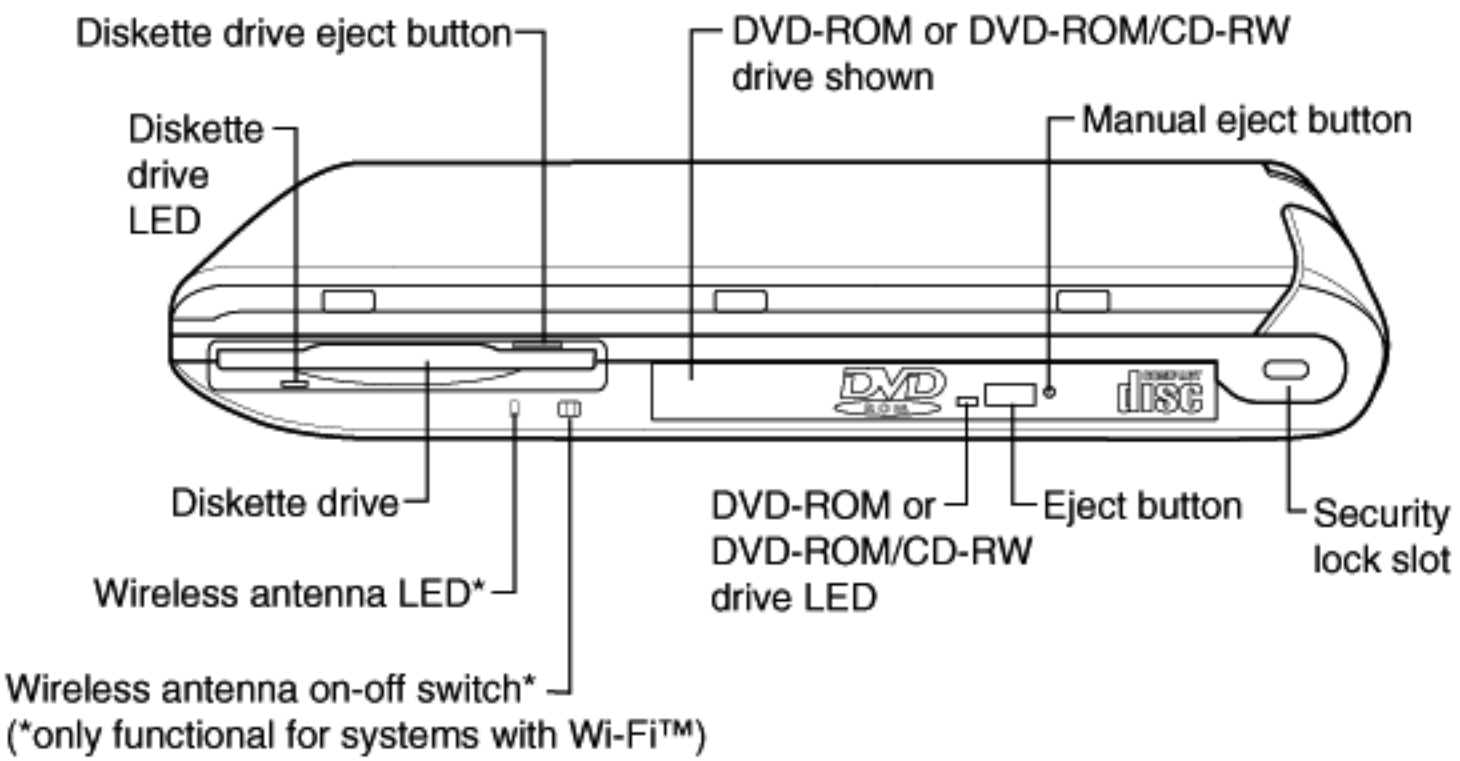

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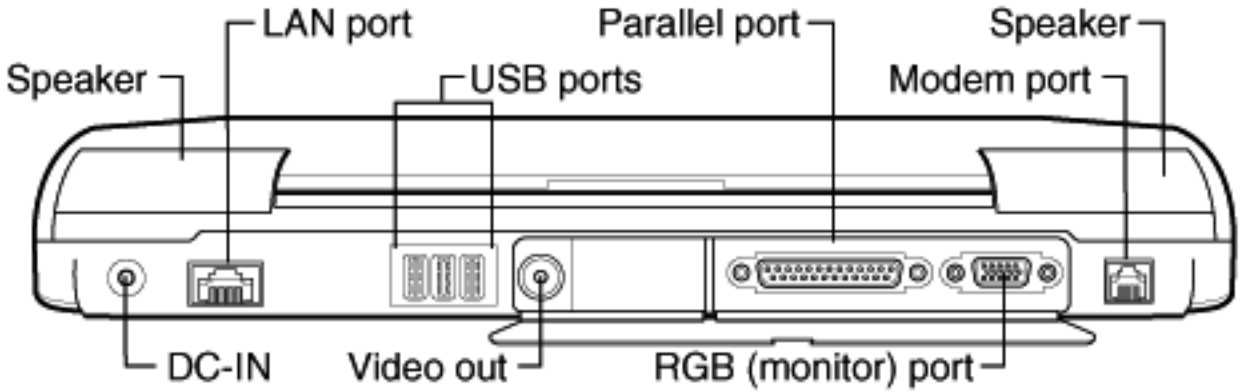

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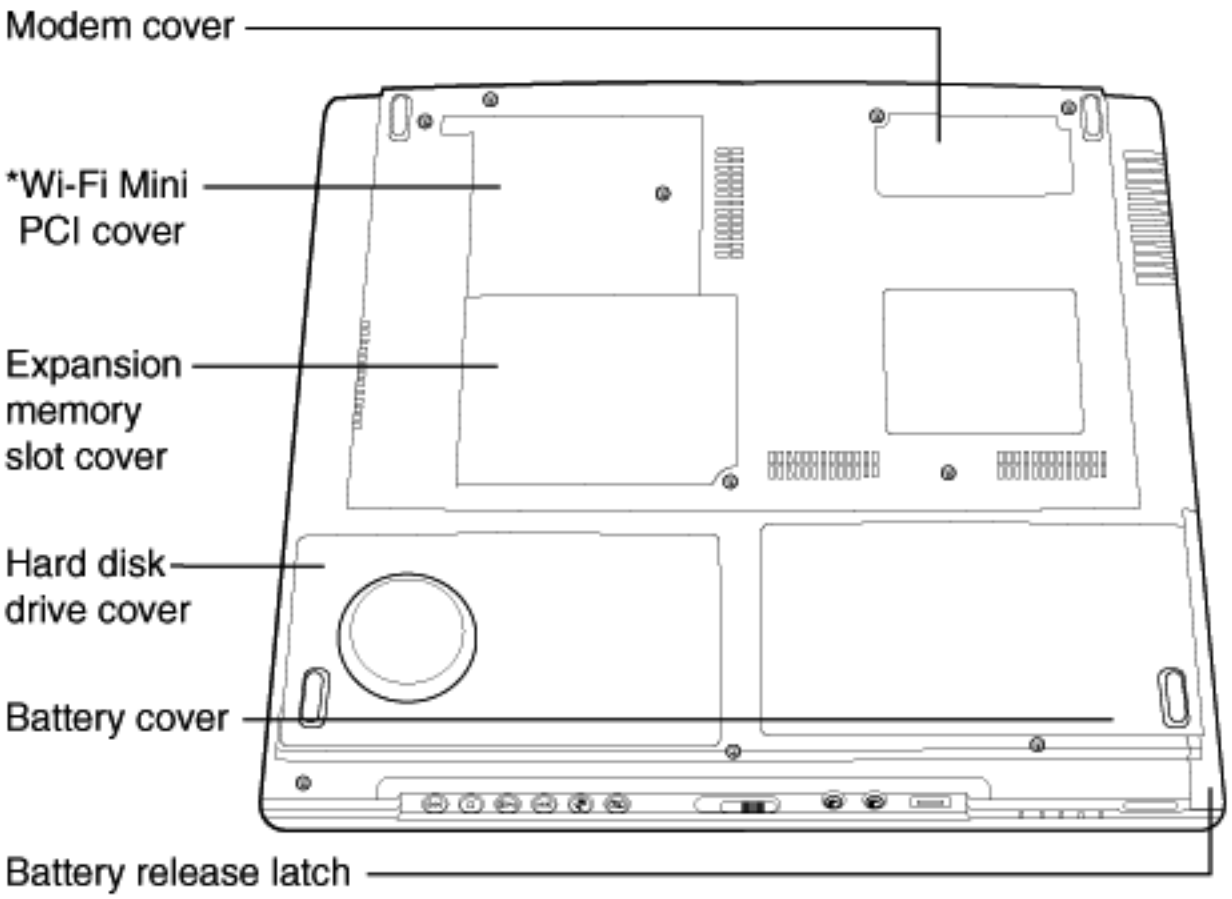

*Wi-Fi Mini PCI module is optional

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