TOSHIBA

Portégé R100 Series

Model Name	Description	Part Number	UPC Code
Portégé R100	Intel® Pentium® M Processor Ultra Low Voltage 733, 12.1" XGA, 512MB, 40GB (4200 RPM), Intel™ 802.11g, Microsoft® Windows® XP Pro,3-year Limited Warranty	PPR10U-213J57	**032017268654**

System Characteristics[1]

Operating System
Microsoft® Windows® XP Professional (SP2)

Processor[2] and Chipset
Choice of processors:
- o Mobile Intel® Pentium® M Processor Ultra Low Voltage 733 [1.10GHz, 2MB L2 cache, 400MHz Front Side Bus ("FSB")].
- o Intel® 855PM System Chipset

Memory
- 256MB - 1280MB, PC 2100 DDR, 2.5V SODIMM Memory modules; configurable from 512MB to1280MB

Mass Storage[3]
Choice of Hard Disk Drives:
- 40GB (4200RPM) Enhanced IDE (ATA-5) hard disk drive; 8.0mm height; service removable

Choice of Optical Disk Drives:
- **Optional External DVD-ROM Drive (USB 2.0)**
- **Optional External DVD/CDRW Drive (USB 2.0)**
- **Optional External USB Floppy Disk Drive, 3.5" 1.44MB**

Display[4]/Graphics
- 12.1" TFT Color LCD (Poly-Silicon), Supports up to 16M colors at 1024 X 768
- Trident XP4™ m32 Graphics Controller, 32MB of internal video memory.

Input Devices
- Keyboard**:** 84 keys with 13 function keys, 1.7mm key stroke, 4.5mm height; Dedicated Windows® & Application keys support; HotKey function
- Mouse: Touch Pad

Expandability
- 1 Expansion memory slots
- 1 PC Card slot supports 1 Type II, PCMCIA R2.01, PC Card16, CardBus

Communications[5]
- Integrated V.92 modem
- Integrated 10/100Base-TX Ethernet
- Integrated Intel Pro Wireless 2200BG (802.11bg)
- Atheros 802.11ag

Ports
Standard
- RGB (monitor) port
- Expansion BUS for dockability
- 2 Universal Serial Bus (USB) ports (v2.0)
- External Microphone jack
- Headphone jack
- RJ-45 LAN port
- RJ-11 modem port
- SD Card Slot

Physical Description
- Dimensions (WxDxH Front/H Rear): 11.26." x 9.02." x 0.59"/0.78"
- Weight[6]: Starting at 2.3lbs depending upon configuration
- LED Indicators: DC-In, Power, Primary Battery, Hard Drive, Wireless Indicator, Caps Lock, Arrow Lock, Numeric Lock, Main Battery Charging Status, Sleep Suspend Mode, SD Card,

Sound
- AD1981B Software Sound
- 16-bit stereo; Built-in stereo speakers, Built-in microphone
- 3D Sound Support, DirectSound; Direct Music, MIDI (playback) Support
- Sound Volume Control Dial

Power Supply
- 45 Watt Universal AC Adapter, 100-240V / 50-60Hz input.

Battery[7]
- 3-cell (1600mAh), rechargeable, removable Lithium Polymer (Graphite) battery pack (Primary Battery)
- 6-Cell (3600mAh), rechargeable, removable Lithium Polymer (Graphite) 2nd battery (Included).
- Battery Life (Normal Mode): Up to 2.17 hours w/ primary battery, and 6.50 hours w/primary and 2nd battery (measured by Mobile Mark™)

Security
- Slot for cable lock; main HDD (by screw only), memory (by screw only); User Power-on password, Built in Modem (by screw only) User password, SetUp Security, HDD password, Screen Blank (by HotKey), Screen Saver (by software).

BIOS
- TSETUP, APM, ACPI v1.0b, PNP,, VESA v2.0, DPMS, DDC, SM BIOS v2.3, PC BIOS v2.1 support

Software
Toshiba Software and Utilities
- o Toshiba Notebook Maximizer
- o Toshiba ConfigFree™
- o Toshiba Custom Utilities
- o TOSHIBA MyConnect™ - 45 day free trial offer

MYCONNECT OFFER DETAILS: 1 Valid in the US only! You must cancel your Access Plan before the end of the trial period to avoid being charged the $39.95 monthly Access Service fee for the six month plan commitment period. Monthly automatic renewal feature after end of commitment period. Available to new members in the U.S., age 18 or older, and a major credit card for billing is required. Offer is for unlimited dial-up, wired broadband, or Wi-Fi remote access connection time in the 50 United States and the District of Columbia within the MyConnect service area for 30 day continuous service periods. Use of optional 800 telephone number dial-up usage will incur additional fees even during the trial period. Other terms and conditions apply. Offer expires December 31, 2004. Information, prices, and availability subject to change without notice.

Third-party Software
- o Microsoft® Office OneNote™ 2003
- o Software Decoder: InterVideo® (Win-DVD™ V. 4.0
- o RealOne™ Player 8 Basic
- o Microsoft® Internet Explorer
- o Napster™ online digital music service (30-day trial)

Environmental Specifications

	Operating	Non-Operating
Temperature	5° to 35°C (41° to 95°F)	-20° to 65°C (-4° to 149°F)
Thermal Gradient	15°C per hour maximum	20°C per hour maximum
Relative Humidity	20% to 80%	10% to 90%
Altitude (relative to sea level)	-60 to 3000 meters	-60 to 10,000 meters
Shock	10G	60G
Vibration	0.5G	1.0G

Limited Warranty
- 3 year parts, labor, and 1 year battery

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Extended Warranty

Toshiba offers many different warranty extensions and enhanced service plans such as SystemGuard®, At-Home Repair, and Service Express to provide additional support to your notebook PC. For a full description and complete list of programs, please visit www.accessories.toshiba.com

Models with 3 Year Standard Limited Warranty

• 4th Year Warranty Extension	SWC-PTQQ4V
• 3 Years SystemGuard	SWP-PQGQ3V
• 3 Year ServiceExpress	SWP-PQQP3V
• 3 Year At-Home Repair	SWP-PQQH3V
• 3 Year Business On-Site Repair	SWP-PQQN3V
• 3 Year SystemGuard + Service Express	SWP-PQGP3V

Accessories

For additional and most updated accessories, please visit www.accessories.toshiba.com.

Memory

KTT3311/256	Kingston PC2100/PC2700, 256MB DDR
KTT3311/512	Kingston PC2100/PC2700, 512MB DDR
KTT3311/1G	Kingston PC2100/PC2700, 1GB DDR

SD Memory Cards

SD-M6403B3	Toshiba 64MB SD (Secure Digital)
SD-M1283B3	Toshiba 128MB SD (Secure Digital)
SD-M5123B3	Toshiba 512MB SD (Secure Digital)

Power

PA3241U-2ACA	Toshiba 45W Universal AC Adapter
PA3154U-2BRS	Toshiba Primary Li Ion Battery (1760mAh)
PA3155U-2BRS	Toshiba High-Capacity Battery (3600mAh)

Cases-Security

PA1334U-1NCS	Toshiba Ambassador Nylon Case
PA1363U-1NCS	Toshiba Slimline Case (14.1")
PA1361U-1NCS	Toshiba Executive Leather Case (15.4")
NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock

Input Devices

PA1336U-1NKB	Toshiba USB Keyboard
PA1337U-1NMS	Toshiba USB Optical Scroller Mouse
PA1367U-1NMS	Toshiba USB Ultra-Mini Retractable Scroller Mouse
PA1368U-1NHB	Toshiba USB 2.0 mini 4-Port Hub (w/AC adapter)

Storage & Back-up

HDD1232CZP41002	Toshiba 5GB Type II PC Card HDD w/Back-up software
PA3109U-1FDD	Toshiba USB Floppy Disk Drive Kit
PA3401U-1DVD	External DVD Drive (USB 2.0)
PA3352U-2CD2	External DVD/CDRW Drive (USB 2.0)

Docking

PA3156U-1PRP	Toshiba Slim Port Replicator

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Battery Life	Catalog Spec (1st)	**2:17(1760mAh)**
	(1st+2nd)	**6:50(1760mAh+3600mAh)**
	BenchMark Score	**141**
	Number of Conditioning Phase	1
	Life Test Run	3

CPU Name		**Intel® Pentium®M 733**
Processor info	speed	**1.1GHz**
	type	**Intel® Pentium®M-ULV 1.1GHz**
	number of processors	**1**
amount of RAM		**256MB**
Amount of secondary RAM cache		**2MB (L2 RAM CACHE)**

Battery	type(1st)	**Li-Ion (Polima)**
		10.8V X 1760mAh
	model number(1st)	**PA3154U-2BAS/BRS**
	type(2nd)	**Li-Ion (Graphite)**
		10.8V X 3600mAh
	model number(2nd)	**PA3155U-1BAL/BRL**
	number of batteries	**1st=one,2nd=one**

Graphics	**Trident XP4 m32 LP**
amount and type of RAM	**32MB**
	DDR
graphics driver name and version	**Trident Video Accelerator Cyber-XP4 6.4823-104.22_2**
graphics resolution and color depth, refresh rate	**12.1" 1024x768/16bit/60Hz**

hard disk capacity	**40GB**
hard disk file system & transfer mode	**Enhanced IDE (ATA-5)**
hard disk controller model	**ODEM+ +ICH4**
size of hardware cache if any	**N/A**

operating system version, service pack	**WinXP**
other special conditions	**N/A**

BIOS version	**TOSHIBA BIOS v1.40**
Power management setting	**another worksheet(=PowerSaveSetting)**

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[1] Subject to Change; Product Series Disclaimer.

While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at pcsupport.toshiba.com. The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at pcsupport.toshiba.com.

[2] 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
- 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)

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- use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at www.pcsupport.toshiba.com for details).

CPU performance may also vary from specifications due to design configuration.
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.

[3] Hard Drive Capacity Disclaimer.

1 Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

[4] TFT Disclaimer.

Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. Over a period of time, and depending on the usage of the computer, the brightness of the LCD Screen will deteriorate. This is an intrinsic characteristic of LCD technology. Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.

[5] FCC Modem Speed Disclaimer.

Due to FCC limitations, speeds of 53 kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.

Wireless or Connectivity Claims.

Wireless connectivity is subject to availability of access points. You might have to purchase additional software, hardware and/or services or pay for phone charges and air time, etc. to achieve the functionality as advertised.

[6] Weight Disclaimer

Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

[7] General Battery Life Disclaimer or Business Winstone® 2002 BatteryMark™ Version 1.0 Battery Life Data Disclaimer

Battery life may vary depending on product model, configuration, 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 the accessories information that shipped with your computer or visit the Toshiba web site at accessoryfinder.toshiba.com.

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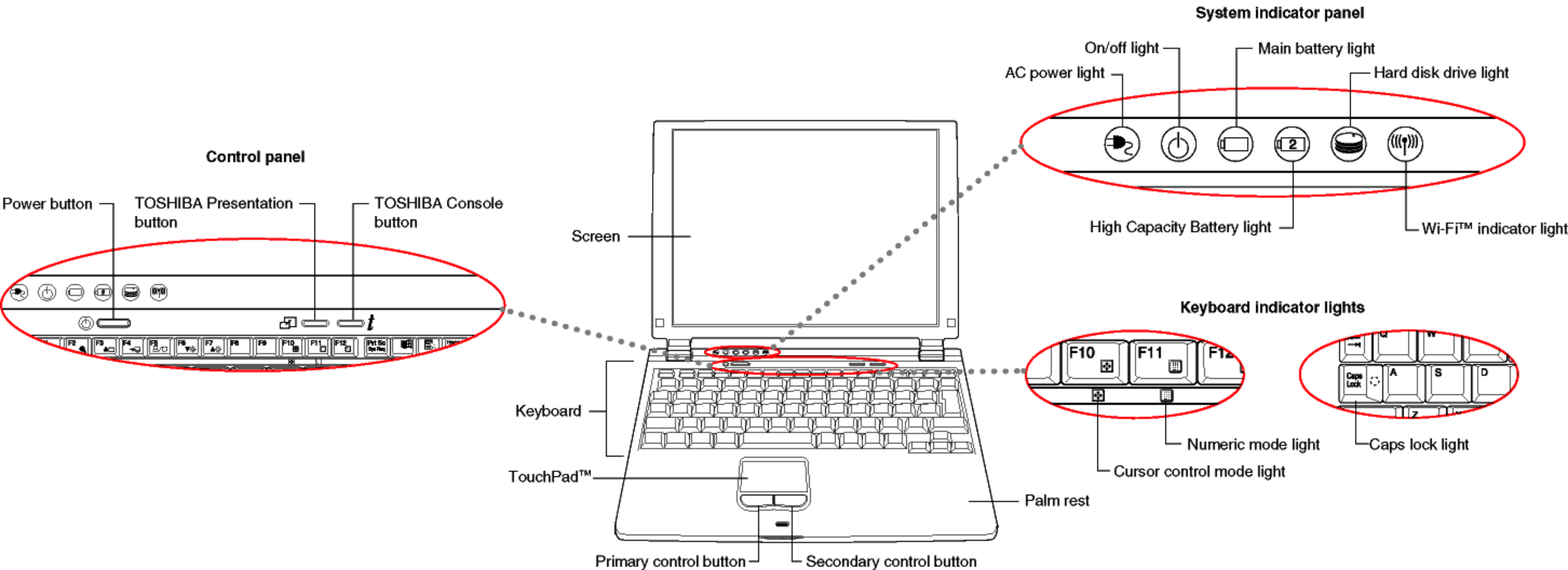
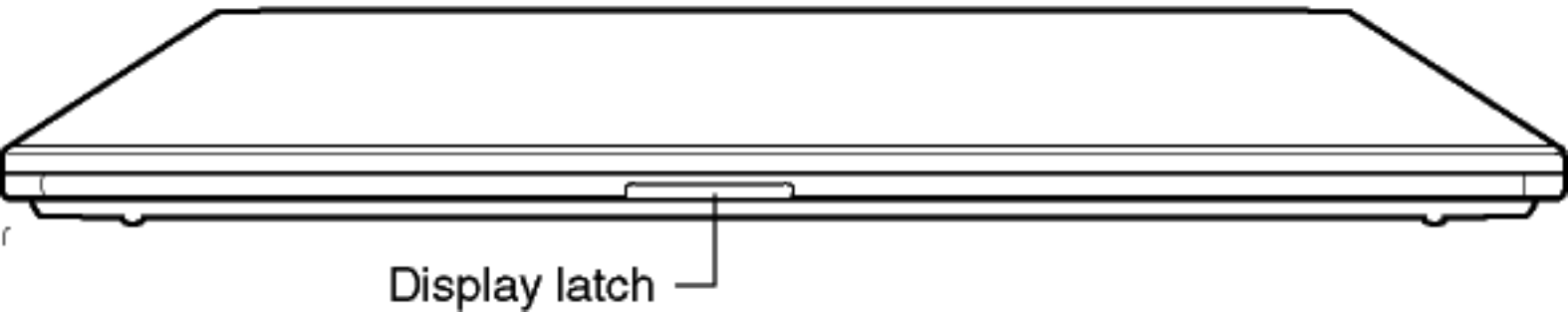
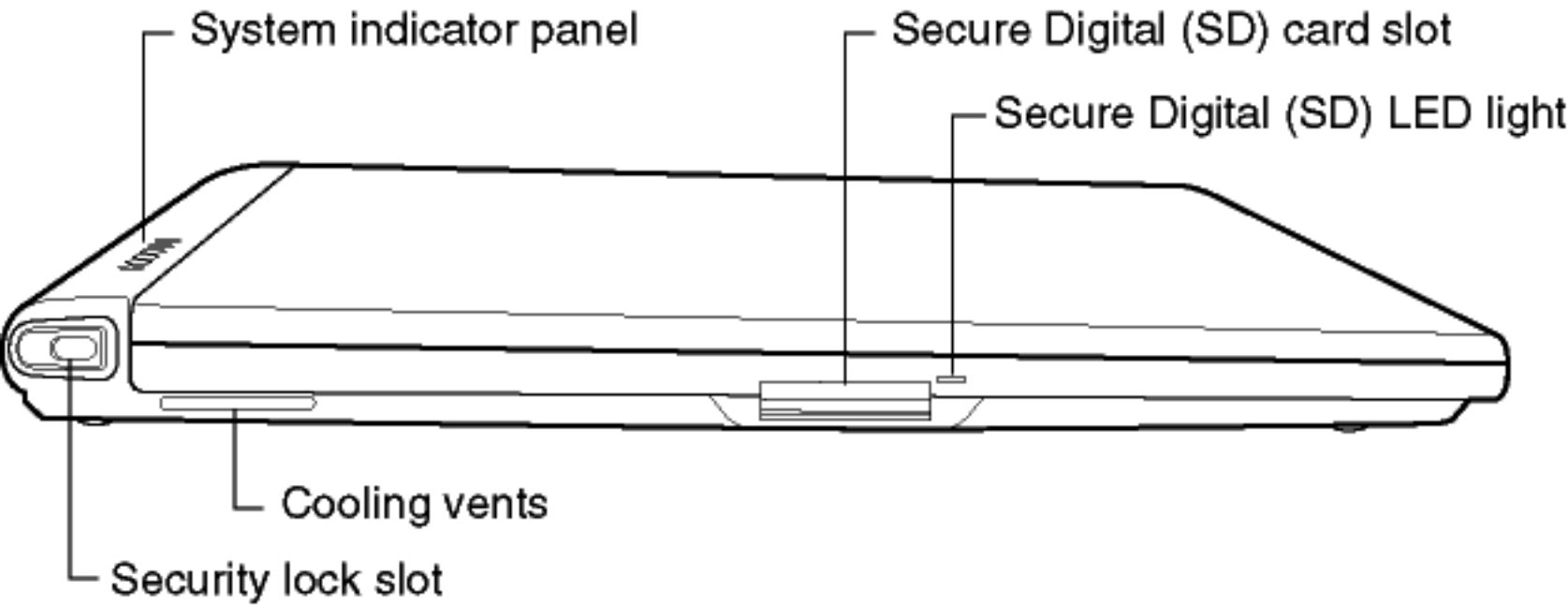
Front with display open



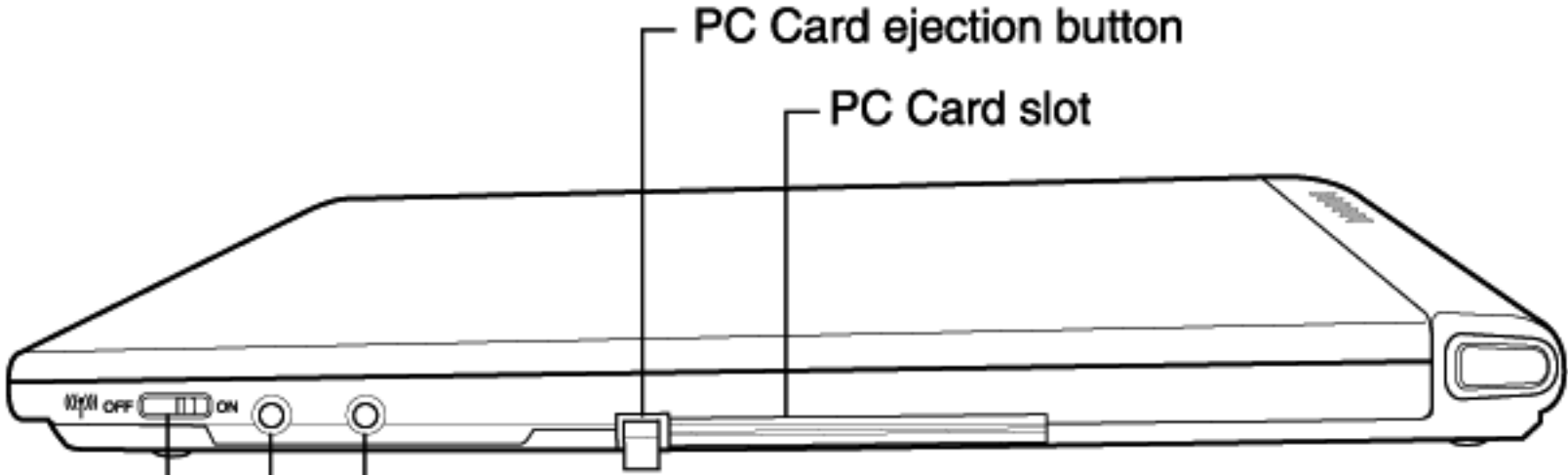
Front with display closed



Left side

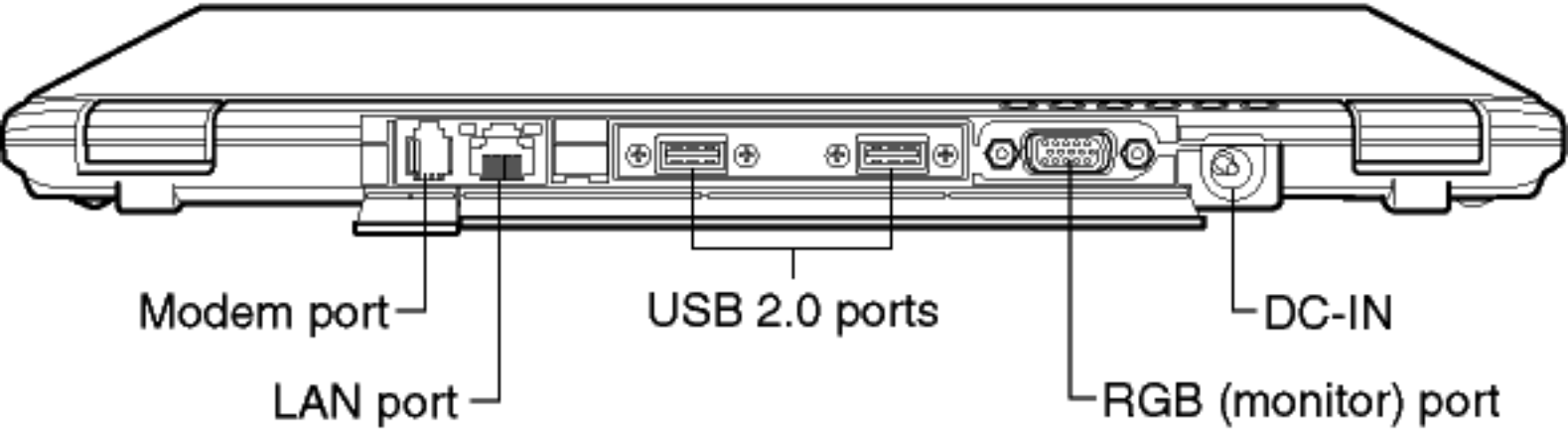

System indicator panel
Secure Digital (SD) card slot
Secure Digital (SD) LED light
Cooling vents
Security lock slot

Right side

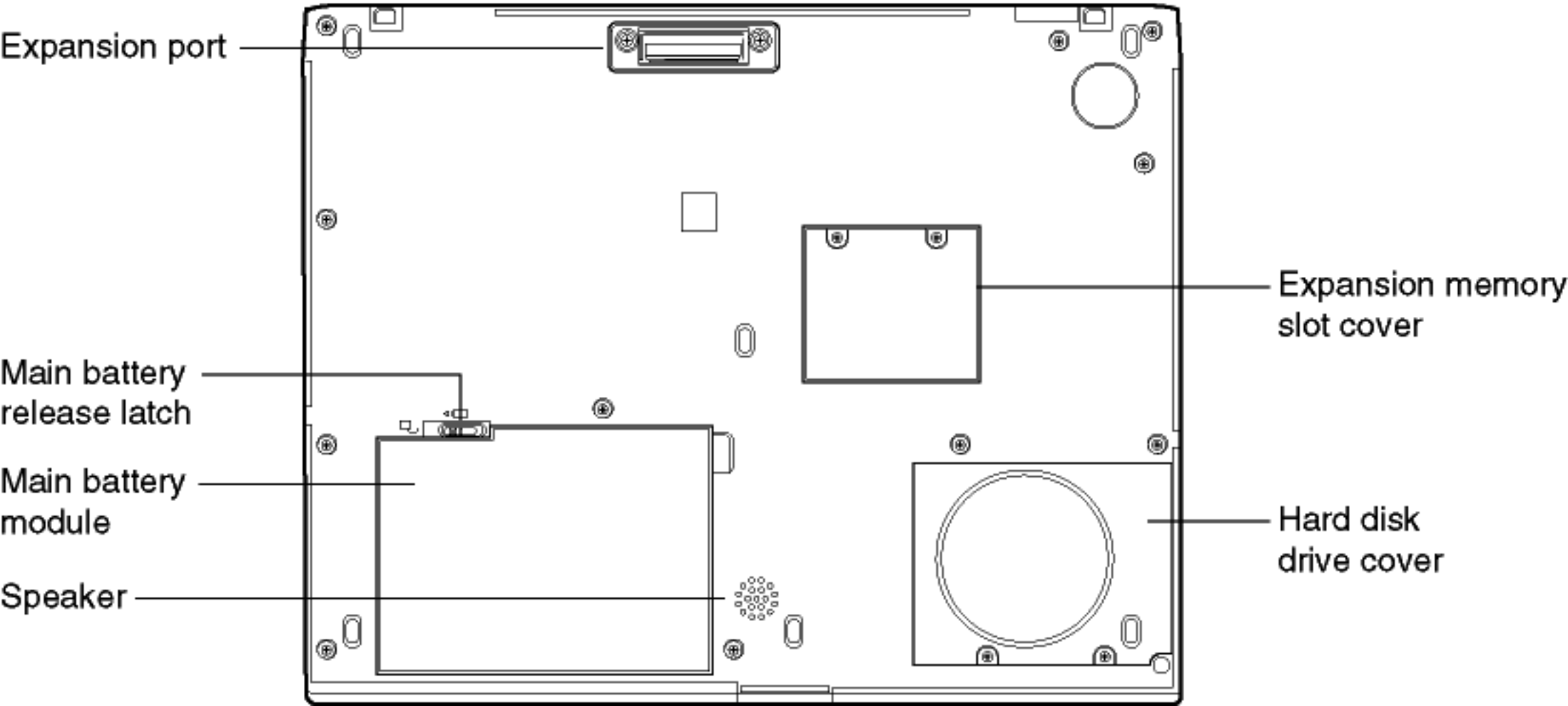


*Functional only on systems with wireless module installed.

Back



Underside


Expansion port
Expansion memory slot cover
Main battery release latch
Main battery module
Hard disk drive cover
Speaker