TOSHIBA

Tecra M4[1]

Model	Description	Part Number	UPC
Tecra M4-S435	Microsoft® Windows® XP Tablet Edition, Intel® Pentium® M 740 (1.73GHz 2MB L2 533MHz FSB), 60GB (Serial-ATA/5400rpm), 512MBx1 PC4200 DDR2 533MHz SDRAM, DVD-SuperMulti (Double Layer), nVIDIA® GeForce™ Go 6200 TE (64MB), 14.1" TFT LCD at (1400 x 1050) native resolution (SXGA+), 6-cell battery, Bluetooth Antenna, Integrated Wi-Fi™ Intel PRO\Wireless 2200BG (802.11b/g) Wireless-LAN, Gigabit Ethernet, TPM, 3-year standard limited warranty; 1-year standard limited warranty for battery and AC adapter	PTM40U-0F0021	032017352216

System Characteristics[2]

Operating System[3]
- Microsoft® Windows® XP Tablet Edition 2005

Intel® Centrino™ Mobile Technology featuring:
- Intel Pentium® M Processor 740 [1.73GHz, 2MB L2, 533MHz FSB]
- Mobile Intel 915PM Express Chipset
- Intel® PRO/Wireless 2200BG (802.11b/g) Integrated Wi-Fi™ compliant wireless LAN

Memory[4]
- Configured with 512MB DDR2 SDRAM (512MBx1)
- 512MB(min)/2048MB (max), 2 memory slots using 256MB, 512MB, or 1024MB PC4200 DDR2 533MHz SDRAM, dual-channel support requires two memory modules (both memory slots may be occupied)

Mass Storage
- 60GB (5400 RPM) Serial-ATA (SATA) hard disk drive; 9.5mm height

Optical Disk Drive:
- Slim SelectBay DVD SuperMulti drive (double layer):
  Maximum Speed:
  CD-ROM (24x:read), CD-R (24x:write), CD-RW (10x:write), DVD-ROM (8x:read), DVD-R (8x:write), DVD-RW (4x:write), DVD+R (Double Layer) (2.4x:write), DVD+RW (4x:write), DVD-RAM (3x:write)

Display[5]
- 14.1" diagonal TFT active-matrix LCD display at 1400x1050 native resolution (SXGA+)
- Contrast: 500:1
- Brightness Control by Fn+F6/F7 and TOSHIBA Power Saver

Graphics[6]
- NVIDIA® GeForce™ Go 6200 TE 64M (64MB DDR discrete graphics memory)

Sound
- Analog Devices AD1981B integrated 16-bit stereo
- Built-in stereo speakers,
- Built-in microphone (monaural)
- Direct 3D Sound (supported by driver); DirectSound (supported by driver), Direct Music (supported by driver), MIDI (play back) support
- Sound Volume Control Dial

Input Devices
- Keyboard
  - 85 key US keyboard, 2.7mm key stroke, 6mm keyboard height, 19.05mm key pitch
  - Hot Key Functions (FN); please see electronic User's Guide for more information
  - Windows Key Function
  - Application Key Function
- Pointing Devices:
  - Toshiba TouchPad™ and Accupoint™ dual pointing device; Enable/Disable (FN+F9 or by help of software)
  - Toshiba Digitizer Tablet Pen
- Buttons
  - Toshiba Presentation Button
  - Windows Security Button
  - ESC/Display Rotation Button
  - Cross Functional Button

Expandability
- 2 main memory slots. Both slots may be occupied.
- 1 Type II, PCMCIA R2.01, PC Card16, CardBus PC Card slot
- Secure Digital®,slot
- Docking port for Advanced Port Replicator III or Tablet Dock II (see accessories)

Communications
- Integrated V.92 modem[7]
- Marvell 88E8053 10Base-T / 100Base-TX / 1000Base-T ("Gigabit") Ethernet
- Intel® Pro/Wireless 2200BG (802.11b/g) Integrated Wi-Fi compliant wireless LAN

Ports
- RGB (monitor) port
- TV-out (S-Video)
- i.LINK(tm) IEEE-1394
- 3 Universal Serial Bus (USB) ports (v2.0)
- External Microphone jack (monaural)
- Headphone jack (stereo)
- RJ-45 LAN port
- RJ-11 modem port
- Fast Infrared (4Mbps) (IrDA 1.1) port
- 240-pin docking connector

Physical Description
- Dimensions (WxDxH Front/H Rear): 12.91" (289.7mm) x 11.41" (328mm) x 1.45" (36.9mm)[F]/1.51" (38.4mm)[R] without feet
- Weight[8]: 6.2 lbs. (2800g) (min) ~ 6.4 lbs. (2900g) (max) depending upon configuration

Power Supply
- 75W (15V x 5A) Auto sensing external AC Adapter, 100~240V 50/60Hz (Universal) input.
- Weight: starting at 0.78 lb. (355 g)
- Dimensions (WxDxH): 5.00" (127.0mm) x 2.01" (51.0mm) x 1.20" (30.5mm)

Battery[9]
- 6-cell (4700 mAh) rechargeable, removable Lithium Ion (Li-Ion) battery pack
  - Battery Life (6-cell battery): Up to 3 hours 22 minutes (measured by MobileMark™)[10]
  - Weight: starting at 0.75 lb. (338 g)
  - Recharge Time: approximately 3.0 hours (System Off) or approximately 5.5 to 13.0 hours (System On)
- Optional: 6-cell (3600 mAh) Slim SelectBay rechargeable, removable Lithium Ion (Li-Ion) battery pack (see Accessories)
  - Battery Life (6-cell primary battery + 6-cell secondary battery): Up to 6 hours 9 minutes (measured by MobileMark™)[11]
  - Weight: starting at 0.62 lb. (280 g)
  - Recharge Time (6-cell primary battery + 6-cell secondary battery): approximately 6.0 hours (System Off) or approximately 9.5 to 22.5 hours (System On)

Toshiba EasyGuard
Secure
- Infineon® Trusted Platform Module embedded security chip (Version 1.1)
- Execute Disable Bit (XD Bit)
- Physical Security

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- Slot for cable lock;
- Items protected by a screw: Memory, Main HDD, Slim SelectBay Device

- Software Security
  - Passwords: User Power-on password, Supervisor Password
  - Toshiba Device Lock Utility
  - Keyboard Lock and Screen Blank by Hotkey
  - Screen Saver (by software).

Protect

- Shock Protector and Shock Absorption[12]
- High-strength Magnesium casework
- Toshiba 3D Accelerometer
- Toshiba PC Diagnostics Tool
- Toshiba Management Console

Connect

- Toshiba ConfigFree™ with ConfigFree Summit feature

Optimize

- Toshiba Power Saver utility
- Toshiba Hotkey Utilities (see User's Manual for description)
- Toshiba Zooming Utility
- Presentation Button
- Secure Digital slot
- One-touch Resolution Change

BIOS

- ACPI v1.0b, PNP v1.0a, VESA v2.0, DPMS, DDC, SM BIOS v2.34, PC BIOS v2.2 support

Software[13]

Toshiba Software and Utilities

- Toshiba ConfigFree™
- Toshiba Custom Utilities
- Electronic User's Guide

Third-party Software

- Microsoft® Works™
- Microsoft® Office OneNote™
- Zinio Reader
- Franklin Covey Table Planner (30 Day Trial)
- Alias® SketchBook™ Pro (30 Day Trial)
- Software Decoder: Intervideo® (WinDVD™ 5)
- Sonic® Solutions Drive Letter Access (DLA)
- Sonic® Solutions RecordNow! Basic
- eTrust™ EZ Firewall (30 Day Trial)
- McAfee VirusScan (30 Day Trial)
- AOL® Internet Service[14] (3 Month offer)
- AT&T® Worldnet® Service[15] (1 Month offer)

Environmental Specifications

	Operating	Non-Operating
Temperature[16]	5° to 35°C (41° to 91°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[17]

- 3-year standard limited warranty; 1-year standard limited warranty for battery and AC adapter.

Limited Warranty Upgrades and Extensions

Toshiba offers many different limited 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 http://www.accessories.toshiba.com.

Accessories

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

Memory

Part Number	Description
KTT533D2/256	Kingston DDR2 533, 256MB
KTT533D2/512	Kingston DDR2 533, 512MB
KTT533D2/1G	Kingston DDR2 533, 1GB

Power

Part Number	Description
PA3283U-2ACA	Toshiba 75W Global AC Adapter
PA3191U-4BRS	Toshiba Primary Li Ion Battery Pack (4700mAh, 6 Cell)
PA3129U-2BRS	Toshiba Slim SelectBay 2nd 3600mAh Battery Pack
PA3091U-1CHG	Toshiba Battery Charger w/Integrated AC Adapter

Expansion

Part Number	Description
PA3314U-1PRP	Toshiba Advanced Port Replicator III w/75W AC Adapter
PA3315U-2PRP	Toshiba Tablet Multi Dock II
PA3137U-3CD2	Toshiba Slim SelectBay CD-RW/DVD-ROM Drive Kit (Black)
PA3359U-1DV2	Toshiba Slim SelectBay DVD SuperMulti Drive Kit (Black)

Input Devices

Part Number	Description
PA3316U-2ETC	Toshiba Tablet PC Pen II
PA3317U-1ETC	Toshiba Tablet PC Reserve Pen
PA1357U-2ETC	Toshiba Tablet Pen Tether II

Storage

Part Number	Description
PA3109U-1FDD	Toshiba USB Floppy Disk Drive Kit
PA3204U-1H60	Toshiba 60GB HDD Kit, (with Bracket) 5400 rpm
PA3306U-1H60	Toshiba 60GB HDD Kit, (with Bracket) 7200 rpm
PA3230U-1H80	Toshiba 80GB HDD Kit, (with Bracket) 5400 rpm
PA3406U-1HA0	Toshiba 100GB HDD Kit, (with Bracket) 5400 rpm
PA3134U-1ETC	Toshiba Slim SelectBay HDD Adapter (Black Bezel)

Wireless/Bluetooth

Part Number	Description
PA3425U-1BTM	Toshiba Bluetooth Module Kit (V1.2)
PA3363U-2MPC	Wireless LAN Card Kit, Mini-PCI (802.11g) (Intel)
PA3376U-1MPC	Wireless LAN Card Kit, Mini-PCI (802.11ag) (Intel)

Security & Protection

Part Number	Description
PA1370U-1ETC	Toshiba Keyboard Protector (Tecra/Satellite/Qosmio)
NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock

Carrying Case

Part Number	Description
PA1388U-1NCS	Toshiba 3-in-1 Portfolio Leather

Subject to Change

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[2] ***Build-to-Order/Configure-to-Order***. Certain notebook chassis are designed to accommodate all possible configurations for an entire product series. Your select model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis, unless you have selected all those features. Configuring (customization) of your notebook takes an additional 12 to 15 working days.

[3] ***Operating System.*** Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).
Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

[4] ***Memory (Main System)***. Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors.

[5] ***Display***. Small bright dots may appear on your screen 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 screen will deteriorate. This is also an intrinsic characteristic of the screen technology.
When the computer is operated on battery power, the screen with dim and you may not be able to increase the brightness of the screen while on battery power.

[6] ***Graphics (Graphics Processing Unit).*** GPU performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

Specific GPU Legal Footnote for the GeForce™ 6200TE/6600TE GPUs. The graphics processor is optimized for your specific computer model and GPU performance will be slower than the standard GeForce™ Go 6200/6600 or applicable successor model. GPU performance is only optimized at ambient temperatures between 5°C and 30°C.

[7] ***Modem Speed***. 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.

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

[9] ***Battery Life***. Battery life may vary considerably from specifications depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. See "Detailed Specs" for specific battery measurement test. 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 www.accessories.toshiba.com.

[10] ***Battery Life - MobileMark™.*** Measured by MobileMark. MobileMark is a trademark of the Business Applications Performance Corporation.

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[12] ***Shock Protection***. Toshiba's shock absorption technology provides higher impact protection for your system as compared to Toshiba systems without similar shock protection features based on Toshiba's drop tests. Toshiba's standard limited warranty terms and limitations apply. Visit www.warranty.toshiba.com for details.

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[15] ***AT&T® Worldnet® Service.*** Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only.

[16] ***Temperature (Environmental) Conditions***. All temperature references are approximate and the performance of your computer may vary from specifications even when operating within the recommended temperature range.

[17] ***Warranty.*** Toshiba's standard limited warranty, extended warranty and service upgrade terms and conditions are available at http://www.warranty.toshiba.com.

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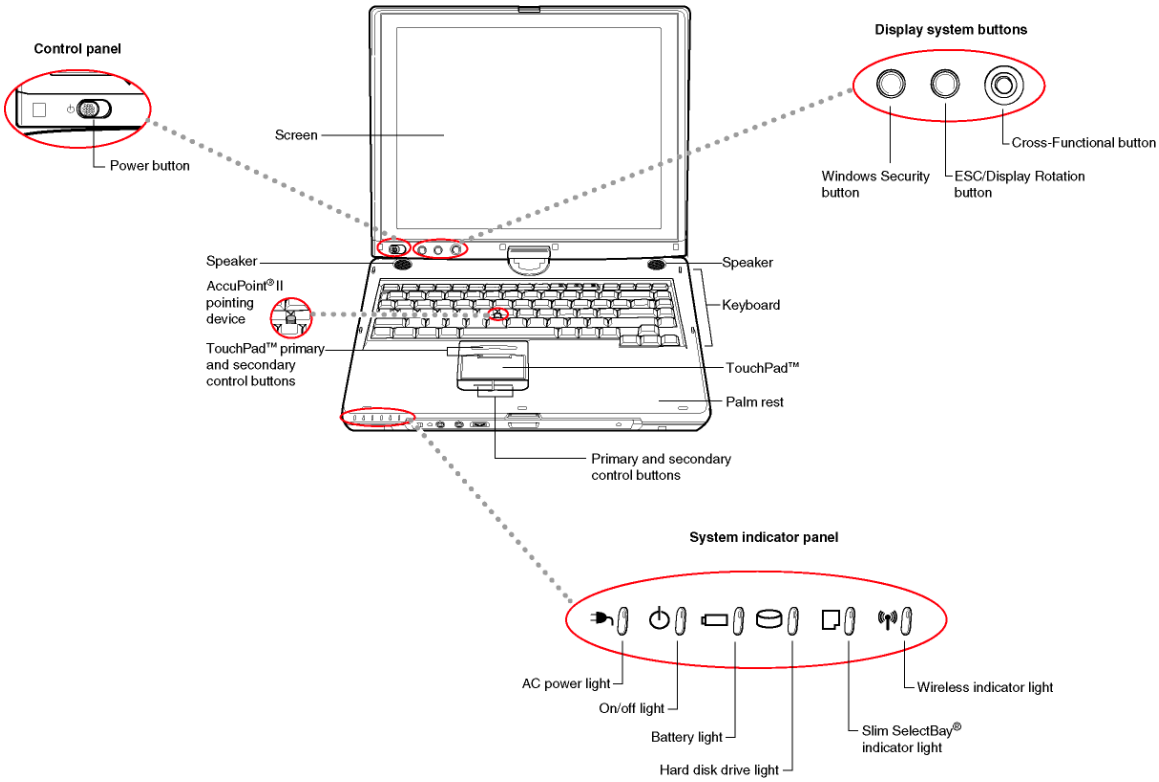
Front with display open



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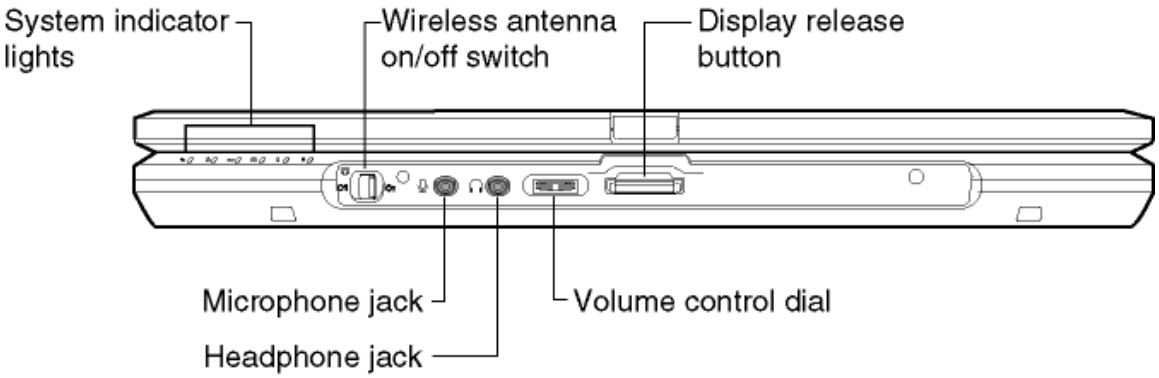

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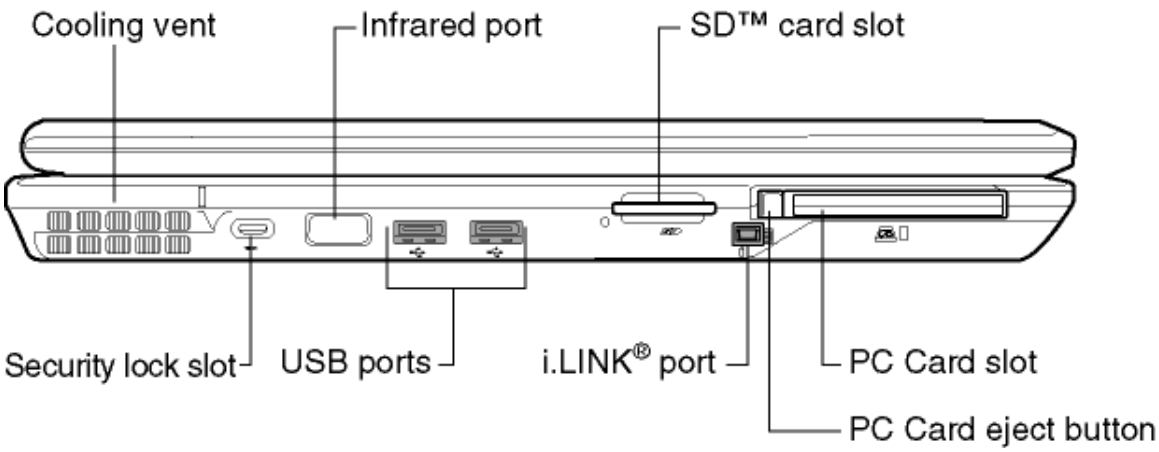

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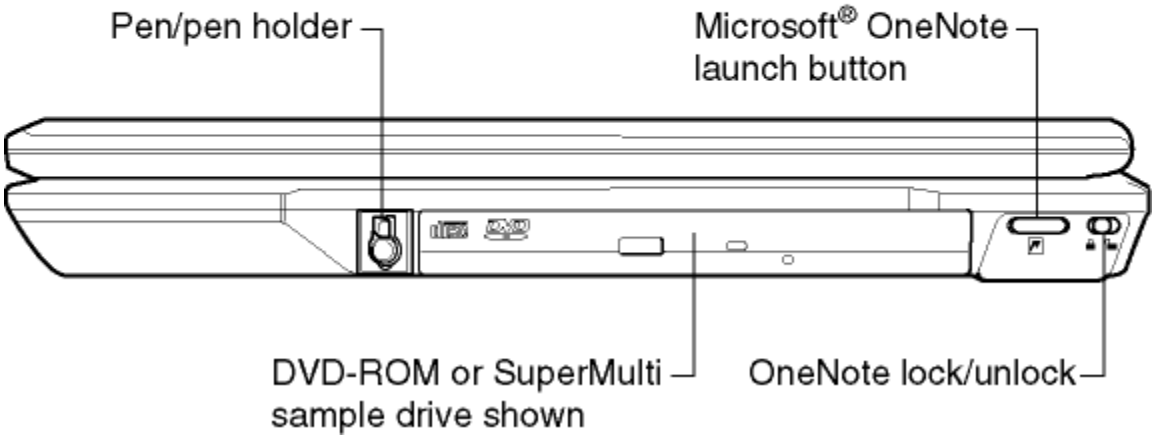
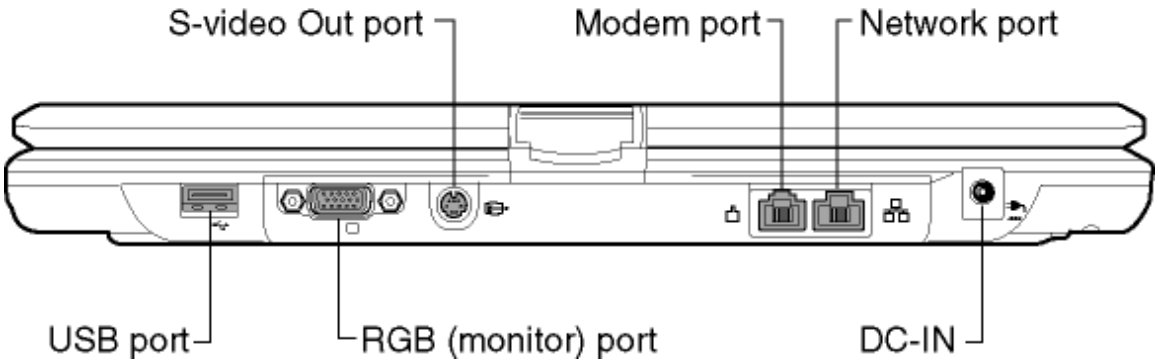
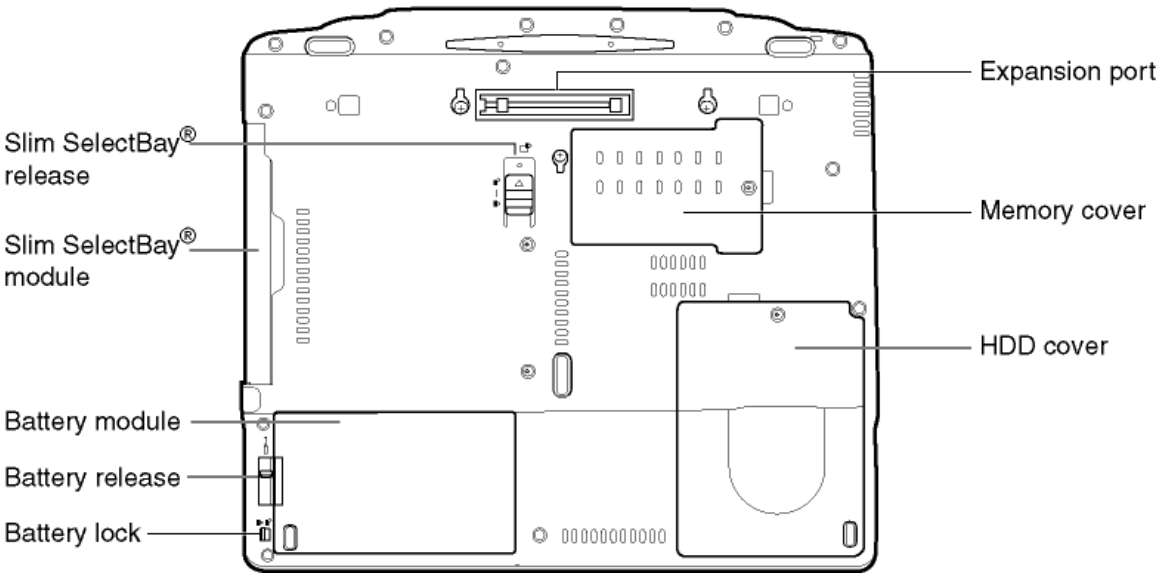


Back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