



# TECHNICAL DETAILS

## SOFTWARE

**OPERATING SYSTEMS OPTIONS:** Genuine Windows® 7 Professional 64-bit (MUI) (ENERGY STAR® qualified) Genuine Windows® 7 Professional 32-bit (MUI) (ENERGY STAR® qualified)

**SOFTWARE:** Microsoft® Office Starter 2010<sup>1</sup>, Adobe® Reader, Norton Internet Security™ 2011<sup>2</sup> (60-day free trial), Roxio® Creator, CyberLink® PowerDirector, CyberLink® MakeDisc, CyberLink® PowerDVD, CyberLink® YouCam, Google Toolbar, OmniPass Fingerprint application, Windows® Live Essentials, Microsoft® Silverlight

## KEY SPECIFICATIONS

(Listed specs are for the current model only and NOT for earlier models or revisions to this product.)

**PROCESSOR:** Intel® Core™ i5-2520M Processor (2.5 GHz, 3 MB L3 cache) with Turbo Boost up to 3.2 GHz  
Intel® Core™ i5-2540M Processor (2.6 GHz, 3 MB L3 cache) with Turbo Boost up to 3.3 GHz  
Intel® Core™ i7-2620M Processor (2.7 GHz, 4 MB L3 cache) with Turbo Boost up to 3.4 GHz

**CHIPSET:** Intel® QM67 (vPro™) or Intel® HM65

**MEMORY:** Two DIMM slots; up to 8 GB (4 GB x 2); DDR3-1333 MHz SDRAM dual-channel memory module

## DISPLAY

LCD	13.3" Crystal View WXGA HD display (LED backlit)
Video Controller	Intel® HD Graphics with dynamic frequency. Automatically distributes performance to CPU and graphics applications that need an extra boost. NVIDIA® GeForce® GT520M with 1 GB GDDR3 memory

Resolution	Internal Display: Max. 1366 x 768, 16M colors External Only: Max. 1600 x 1200, 16M colors Simultaneous: Max. 1366 x 768, 16M colors
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**WEBCAM:** Optional 2.0 mega-pixel webcam

**HARD DRIVE<sup>3</sup>:** 160 GB, 320 GB, available with full disk encryption, 500 GB (5400 rpm); 160 GB, 320 GB, 500 GB (7200 rpm); 128 GB, 256 GB solid state drive (MLC)

**OPTICAL DRIVE:** Modular Dual-Layer Multi-Format DVD Writer

**AUDIO:** Realtek™ codec ALC269 with 2-channel High Definition (HD) audio Stereo headphone/line-out jack, Stereo microphone/line-in jack, two built-in stereo speakers and microphones

**COMMUNICATION:** Gigabit (10/100/1000) Ethernet LAN

**WIRELESS COMMUNICATION OPTIONS:** Integrated Intel® Centrino® Advanced-N 6205 (802.11abgn 2x2), or, Atheros XSPAN® 801.11 bgn, Bluetooth device for wireless personal area network communication

**WIRELESS BROADBAND<sup>4</sup>:** Sierra AirPrime™ MC8355 (Gobi™ 3000) supports optional AT&T DataConnect ready (3G, HSUPA), Verizon Wireless Mobile Broadband (3G, EVDO-Rev A), Sprint Mobile Broadband (3G, CDMA), Gobi3000 Dual UMTS/ EVDO w/GPS support.

**USER INTERFACES:** Integrated touchpad with scroll wheel button and fingerprint recognition sensor; 84-key full-size, spill-resistant keyboard with 19 mm key pitch and 2.7 mm key stroke; gesture-enabled

**PORTS:** One 15-pin D-SUB connector for VGA external monitor, three USB connectors: one standard USB 2.0 connector, one USB 2.0 connector with Anytime USB Charge, and one USB 3.0 connector, one DC In connector, one HDMI port, one LAN (RJ-45) connector, docking port (100-pin, to dock with optional port replicator), one stereo headphone/line-out jack, one stereo microphone/line-in jack, Wireless LAN antenna on/off switch.

**CARD SLOTS:** One Express Card® slot, Secure Digital (SD) Card slot

**SECURITY:** Embedded LED biometric fingerprint sensor (optional), supports Pre-Boot Authentication (PBA), Intel® vPro™ technology (select configurations), embedded TCG 1.2-compliant Trusted Platform Module (TPM), Computrace® BIOS Persistence Module, Security lock slot, Fujitsu PortShutter hard drive and BIOS password protection, Intel® AT (anti-theft) technology support

**BATTERY<sup>5</sup> OPTIONS: With Intel® HD graphics:** Main Lithium-ion battery (6-cell, 63Whr); up to 8 hrs. and 10 mins. With Modular bay battery; up to 11 hrs. and 20 mins.

**With Intel® HD graphics:** High-capacity Lithium-ion battery (6-cell, 67Whr); up to 8 hrs. and 20 mins. With Modular bay battery; up to 11 hrs. and 30 mins.

**With NVIDIA® graphics card:** Main Lithium-ion battery (6-cell, 63Whr); up to 6 hrs. and 30 mins. With Modular bay battery; up to 8 hrs. and 40 mins.

**With NVIDIA® graphics card:** High-capacity Lithium-ion battery (6-cell, 67Whr); up to 6 hrs. and 30 mins. With Modular bay battery; up to 8 hrs. and 50 mins.

**DIMENSIONS/ WEIGHT:** 12.64" x 8.99" x 1.07"/1.40"; approx. weights: 3.55 lbs. with Weight saver, 3.81 lbs with Dual-Layer Multi-Format DVD Writer, 4.04 lbs. with Modular bay Battery

**OPERATING TEMPERATURE:** 41°F to 95°F / 5°C to 35°C (ambient temperature); 20% to 85% relative humidity, non-condensing

**NON-OPERATING TEMPERATURE:** 5°F to 140°F / -15°C to 60°C, 8% to 85% relative humidity; non-condensing

**KEY ACCESSORIES PORT REPLICATOR:** Has: one 25-pin D-SUB connector for parallel input/output devices; Bi-directional, output only or ECP, one 15-pin D-SUB connector for VGA external monitor, four USB 2.0 connectors for input/output devices, one LAN (RJ-45) connector, one DC-in connector, one eSATA port, one headphone/line out jack, one Digital Video (DVI-D) 24-pin, female interface, one power/suspend/resume button with LED. For a full list of accessories, visit [www.shopfujitsu.com](http://www.shopfujitsu.com) or call 1-800-FUJITSU

## COMPLIANCE AND SERVICE INFORMATION

**COMPLIANCE:** FCC Part 15B Class B and FCC Part 15C; FCC Part 15E; IC ICES-003 Class B and RSS-210, UL-cUL Listed, FCC Part 68; IC CS-03 ,CE Marking (Not supported when configured with the WLAN module), ENERGY STAR® qualified

**WARRANTY<sup>6</sup>:** One- or three-year International Limited Warranty on select corporate configurations; 24/7 technical support; Fujitsu extended service plan

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1) Microsoft® Office Starter 2010 (32 bit) includes reduced-functionality versions of Word® and Excel® only, with advertising. No PowerPoint® or Outlook®. Purchase Microsoft Office 2010 to activate a full-featured suite.

2) Preinstalled with a free 60-day trial version of Symantec Norton Internet Security 2011. The 60-day trial version is activated upon user's acceptance of software license agreement. After 60 days, the user must purchase a subscription from Symantec to download latest virus definitions.

3) One gigabyte (GB) = one billion bytes; accessible capacity will be less and actual capacity depends on the operating environment and formatting.

4) Wireless service is not included with your notebook/tablet PC. Activation, credit approval, and 2-year minimum commitment required. Monthly service fee, taxes, surcharges are extra. Actual connectivity is subject to wireless service provider's coverage area and may be affected by equipment, topography, signal strength, environmental considerations, and other factors. Coverage is not available everywhere—see wireless carrier's coverage map for details. Terms and Conditions and additional restrictions apply. A GPS application (compatible with NMEA v 3.1 or later) must be purchased separately.

5) Battery life estimates reflect the results of BAPCo MobileMark2007 Productivity Workloads performed upon systems with battery life setting enabled. Actual battery life will vary based on screen brightness, applications used, features selected, power management settings, battery conditioning, and other customer preferences. LAN, wireless LAN, optical drive, or hard drive usage may also have a significant impact on battery life.

6) Service and warranty turnaround time may vary by country and product. International warranty valid only for products purchased in North, Central, and South America.

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