

# LifeBook® E8420 Notebook

*Supplying more power and better performance with next-generation Intel® Centrino® 2 Mobile Technology, the Fujitsu LifeBook® E8420 notebook provides a highly flexible platform that can be configured to meet a diverse array of business demands. Coupled with renowned Fujitsu product reliability and durability, this notebook will shorten your return on investment cycle and lighten the load on your IT technical support team.*

## BENEFITS

### Performance

The LifeBook E8420 notebook is available with the Intel® Centrino®2 Duo Mobile Technology. The two execution cores ensure you are optimized for multi-threaded applications and multitasking.

With Intel® Graphics Media Accelerator 4500MHD Graphics, you're choosing a smarter, integrated solution for your visual needs. The LifeBook E8420 notebook also features a powerful mobile GPU—NVIDIA® GeForce® 9300M GS. This optional graphics card is the ideal solution for today's business professionals because it provides the horsepower needed to drive visual applications along with the tools needed to build more compelling visual communications with rich multimedia.

### Easy Deployment & Management

Simplify deployment and management—and ultimately reduce TCO—with the following features:

- A modular bay supports a variety of devices, including a wide selection of optical drives, modular bay battery, and a convenient weight saver
- High-capacity and modular bay batteries are available for extended computing time
- The notebook is equipped with HDMI, serial, parallel, and IEEE 1394 ports
- A variety of communications options are available to seamlessly integrate into your corporate environment
- A port replicator (compatible with other LifeBook E8000 series notebooks) is also available for simple connection to all your peripherals.

### Security

The LifeBook E8420 notebook offers a combination of physical hardware and software security solutions to provide the highest levels of mobile computer protection. When the time comes for an organization to implement one or more security features, the LifeBook E8420 notebook is ready for deployment.

Fujitsu offers an optional built-in biometric fingerprint swipe sensor that eliminates the need for managing multiple passwords when accessing the network and managing email accounts, as well as other protected systems.

The embedded TCG 1.2-compliant Trusted Platform Module (TPM) protects digital identification and data, and can be used to authenticate you into your

network. It also allows users to securely store private keys and certificates for file and folder encryption, Web, email, digital signatures, and passwords.

The dedicated Smart Card slot supports a wide range of third-party applications, such as secure online transactions, personalized authentication services, access to personal data, and “e-cash” storage options.

With more than 800,000 possible passwords, the integrated Security Panel system adds another measure of security to help protect your data. The LifeBook E8420 notebook also features two level hard drive and BIOS password protection, allowing system administrators to have a password that's secret from users, and can be used to unlock their notebook if the user password is lost.

### Flexible Connectivity

With built in 56K modem and Gigabit Ethernet LAN, you can easily connect to your office network or Web from practically anywhere. For wireless connectivity, the Intel® Wireless WiFi Link 5300AGN or Atheros XSPAN offers seamless and flexible connectivity. If you use a Bluetooth-enabled cellular phone or PDA, your LifeBook E8420 notebook can be equipped with integrated Bluetooth™ (version 2.1) wireless technology for data synchronization and swapping images or data. The HDMI port connects you to the growing world of HD. Watch your video or business presentation on a large HD flat screen.

### Stable and Reliable

The LifeBook E8420 has a sturdy magnesium cover—a feature that has contributed to LifeBook notebooks being named some of the most reliable in the industry. The new LifeBook E8420 notebook also features a spill-resistant keyboard.

In a time when most PCs are assembled by third-party vendors, Fujitsu takes pride in its own world-class design, rigorous testing, and manufacturing capabilities. Fujitsu provides extremely high quality mobile computers with one of the lowest failure rates in the industry.

**Fujitsu recommends  
Windows Vista® Business.**



## OVERVIEW

- Genuine Windows Vista® Business
- Intel® Centrino® 2 with vPro™ technology
- Optional NVIDIA GPU for great graphics performance (256 MB)
- Modular bay versatility: Easy-to-swap out an optical drive for a modular bay battery for extended computing experience.
- 802.11draft-n for excellent WLAN range and throughput
- Offers comprehensive security features such as optional fingerprint sensor, dedicated Smart Card slot, embedded TPM and security panel.
- HDMI port delivers high-definition video and audio
- Serial and parallel ports to connect to legacy peripherals

## Software

|                          |   |
|--------------------------|---|
| <b>Operating Systems</b> | Genuine Windows Vista® Business   |
| <b>Software</b>          | Adobe Acrobat Reader, Norton Internet Security™ (90-day free trial) <sup>1</sup> , CyberLink PowerDirector, CyberLink MakeDisc, Google Desktop, Google Tool Bar, Google Picasa, OmniPass Fingerprint application, Fujitsu Driver Update utility, Fujitsu Portshutter, Fujitsu hotkey utility, Office Ready with Microsoft® Office Professional 2007 60-day trial. |
| <b>Optional Software</b> | Depending upon your configuration, you may also receive the following:<br>ArcSoft Webcam Companion, Roxio Easy Media Creator, Bluetooth driver and applications CD  |

## Key Specifications

|                                  |   |                     |  |                         |  |                           |  |
|----------------------------------|---|---------------------|--|-------------------------|--|---------------------------|--|
| <b>Processor</b>                 | Intel® Core™ 2 Duo Processor P8600 (2.4 GHz, 3 MB L2 cache, 1066 FSB)<br>Intel® Core™ 2 Duo Processor P8700 (2.53 GHz, 3 MB L2 cache, 1066 MHz FSB)<br>Intel® Core™ 2 Duo Processor T9550 (2.66 GHz, 6 MB L2 cache, 1066 FSB)   |                     |  |                         |  |                           |  |
| <b>Chipset</b>                   | Intel® GM45 or Intel® PM45 (depending upon system configuration)  |                     |  |                         |  |                           |  |
| <b>Memory</b>                    | Two DIMM slots; up to 4 GB (2 GB x2); DDR3 1066 MHz with dual-channel support   |                     |  |                         |  |                           |  |
| <b>Display</b>                   | <table border="1"> <tr> <td><i>LCD</i></td> <td>15.4" WSXGA+ Anti-glare or Crystal View WXGA display</td> </tr> <tr> <td><i>Video Controller</i></td> <td>Intel® Graphics Media Accelerator 4500MHD or NVIDIA® GeForce® 9300M GS with total available graphics memory of 256 MB<sup>2</sup></td> </tr> <tr> <td><i>Maximum Resolution</i></td> <td>Internal display: 1280 x 800 (WXGA) or 1680 x 1050 (WSXGA+), 16M colours<br/>External monitor: 1600 x 1200, 16M colours<br/>Simultaneous display: 1600 x 1200, 16M colours</td> </tr> </table>   | <i>LCD</i>          | 15.4" WSXGA+ Anti-glare or Crystal View WXGA display   | <i>Video Controller</i> | Intel® Graphics Media Accelerator 4500MHD or NVIDIA® GeForce® 9300M GS with total available graphics memory of 256 MB <sup>2</sup> | <i>Maximum Resolution</i> | Internal display: 1280 x 800 (WXGA) or 1680 x 1050 (WSXGA+), 16M colours<br>External monitor: 1600 x 1200, 16M colours<br>Simultaneous display: 1600 x 1200, 16M colours |
| <i>LCD</i>                       | 15.4" WSXGA+ Anti-glare or Crystal View WXGA display  |                     |  |                         |  |                           |  |
| <i>Video Controller</i>          | Intel® Graphics Media Accelerator 4500MHD or NVIDIA® GeForce® 9300M GS with total available graphics memory of 256 MB <sup>2</sup>  |                     |  |                         |  |                           |  |
| <i>Maximum Resolution</i>        | Internal display: 1280 x 800 (WXGA) or 1680 x 1050 (WSXGA+), 16M colours<br>External monitor: 1600 x 1200, 16M colours<br>Simultaneous display: 1600 x 1200, 16M colours  |                     |  |                         |  |                           |  |
| <b>Camera</b>                    | Optional integrated 1.3 mega-pixel digital camera   |                     |  |                         |  |                           |  |
| <b>Hard Drive<sup>3</sup></b>    | 120 GB or 200 GB (7200 rpm) or 120 GB, 160 GB, 250 GB, or 320 GB (5400 rpm); S-ATA 150; shock-mounted   |                     |  |                         |  |                           |  |
| <b>Optical Drive</b>             | Modular Combo DVD/CD-RW Drive (24x CD-ROM, 24x CD-R, 10x CD-RW, 8x DVD-ROM)<br>Modular Dual-Layer Multi-Format DVD Writer (24x CD-ROM, 24x CD-R, 10x CD-RW, 8x DVD-ROM, 5x DVD-RAM, 8x DVD-R, 4x DVD-R (DL), 6x DVD-RW, 8x DVD-R, 8x DVD-RW)<br>Modular DVD-ROM Drive (8x DVD-ROM, 24x CD-ROM)  |                     |  |                         |  |                           |  |
| <b>Audio</b>                     | Realtek codec ALC269 with 2-channel High Definition (HD) audio<br>Two built-in stereo speakers, 20 mm diameter  |                     |  |                         |  |                           |  |
| <b>Communication</b>             | Multinational <sup>4</sup> 56K <sup>5</sup> V.92 modem, Gigabit (10/100/1000) Ethernet  |                     |  |                         |  |                           |  |
| <b>Wireless Communication</b>    | <table border="1"> <tr> <td><i>Wireless LAN</i></td> <td>Optional Integrated Intel® WiFi Link 5300 (3 x 3; 802.11a/b/g/Draft-N) or Atheros XSPAN® (802.11a/b/g/Draft-N)</td> </tr> <tr> <td><i>Bluetooth™</i></td> <td>Optional Bluetooth device for wireless personal area network communication</td> </tr> </table>   | <i>Wireless LAN</i> | Optional Integrated Intel® WiFi Link 5300 (3 x 3; 802.11a/b/g/Draft-N) or Atheros XSPAN® (802.11a/b/g/Draft-N) | <i>Bluetooth™</i>       | Optional Bluetooth device for wireless personal area network communication   |                           |  |
| <i>Wireless LAN</i>              | Optional Integrated Intel® WiFi Link 5300 (3 x 3; 802.11a/b/g/Draft-N) or Atheros XSPAN® (802.11a/b/g/Draft-N)  |                     |  |                         |  |                           |  |
| <i>Bluetooth™</i>                | Optional Bluetooth device for wireless personal area network communication  |                     |  |                         |  |                           |  |
| <b>User Interface</b>            | Integrated touchpad with scroll button; optional quick point<br>84-key full-size, spill-resistant keyboard with 19 mm key pitch and 2.7 mm key stroke   |                     |  |                         |  |                           |  |
| <b>Ports</b>                     | Four USB 2.1 connectors for input/output devices<br>One D-SUB connector (15-pin) for external monitor<br>One HDMI jack<br>One DC-In connector<br>One serial port (RS-232, D-Sub 9-pin)<br>One parallel port (ECP, D-Sub 25-pin)<br>One IEEE 1394 jack (4-pin type)<br>One Infrared port (IrDA1.1, 4 Mbps max.)<br>One modular modem connector (RJ-11)<br>One LAN connector (RJ-45)<br>One stereo headphone jack or one stereo headphone/line-out jack, depending upon system configuration<br>One mono microphone jack or one stereo microphone/line-in jack, depending upon system configuration<br>One docking port (100-pin, to dock with port replicator) |                     |  |                         |  |                           |  |
| <b>Card Slots</b>                | One PC Card slot for a Type I or Type II card (PCMCIA Standard 2.1 with CardBus support)<br>One ExpressCard™ slot for an ExpressCard<br>One shared Memory Stick®/SD Card slot   |                     |  |                         |  |                           |  |
| <b>Security</b>                  | Integrated Security Panel (requires third-party application)<br>Dedicated Smart Card slot<br>Embedded TPM<br>Two-level BIOS and hard drive password protection: user and administrator<br>Optional fingerprint sensor   |                     |  |                         |  |                           |  |
| <b>Battery<sup>6</sup></b>       | Standard Lithium ion battery: 6-cell, 10.8 V, 5200 mAh, 56.2 Wh<br>Optional high capacity Lithium ion battery: 8-cell, 14.4 V, 5200 mAh, 74.9 Wh<br>Optional Flexible Bay Lithium ion battery: 6-cell, 10.8 V, 3800 mAh, 41 Wh  |                     |  |                         |  |                           |  |
| <b>AC Adapter</b>                | With Intel® Graphics Media Accelerator 4500MHD: Autosensing 100-240 V AC, supplying 19 V DC, 4.22 A, 80 W<br>With NVIDIA® GeForce® 9300M GS: Autosensing 100-240 V AC, supplying 19 V DC, 5.27 A, 100 W   |                     |  |                         |  |                           |  |
| <b>Dimensions/Weight</b>         | 14.06" x 10.12" x 1.40/1.44"<br>Approximately 5.93 lbs. with 6-cell battery and optical drive<br>(6.11 lbs. with WSXGA+ display, 6-cell battery, and optical drive)   |                     |  |                         |  |                           |  |
| <b>Operating Temperature</b>     | 41°F to 95°F / 5°C to 35°C (ambient temperature)<br>20% to 85% relative humidity, non-condensing  |                     |  |                         |  |                           |  |
| <b>Non-operating Temperature</b> | 5°F to 140°F/-15°C to 60°C<br>8% to 85% relative humidity, non-condensing   |                     |  |                         |  |                           |  |
| <b>Key Accessories</b>           | <b>For a full list of accessories, visit <a href="http://www.fujitsu.ca">www.fujitsu.ca</a> or call 1-800-FUJITSU</b>   |                     |  |                         |  |                           |  |

## Compliance and Service Information

|                             |  |
|-----------------------------|--|
| <b>Compliance</b>           | FCC Part 15B Class B and FCC Part 15C; FCC Part 15E; IC ICES-003 Class B and RSS-210<br>UL-cUL Listed<br>FCC Part 68; IC CS-03<br>CE Marking (Not supported when configured with the WLAN module)<br>ExpressCard™ Compliance ID EC100140 |
| <b>Warranty<sup>7</sup></b> | One-year International Limited Warranty<br>24/7 technical support<br>Fujitsu extended service plans available  |

## Fujitsu recommends Windows Vista® Business.



Windows Vista



1) Preinstalled with a free 90-day trial version of Symantec Norton Internet Security. The 90-day trial version is activated upon user's acceptance of software license agreement. After 90 days, the user must purchase a subscription from Symantec to download latest virus definitions.

2) Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory.

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

4) The internal modems on all Fujitsu notebooks from Fujitsu Canada, Inc. are only qualified for use with telephone systems in selected countries, including the United States and Canada. For a list of certified countries, please check: <http://www.computers.us.fujitsu.com/modems>.

5) Actual speeds over North American telephone lines vary, and are less than 56 Kbps due to the current FCC regulations and line conditions.

6) Battery life will vary based on screen brightness, applications used, features selected, power management settings, battery conditioning, and other customer preferences. LAN, wireless LAN or hard drive usage may also have a significant impact on battery life.

7) 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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THE POSSIBILITIES ARE INFINITE