

## Fujitsu recommends Windows Vista® Business.

LifeBook  
E8420

- 15.4-inch wide top-of-the-line performance LifeBook with Intel® Centrino® 2 Processor Technology at approximately 2.5kg\*
- Genuine Windows Vista® Business
- Instant converged communications using built-in 1.3 Mega Pixel camera and dual built-in stereo microphones
- Superior security features for enhanced data and hardware protection
- Superb 2D/3D graphics performance with NVIDIA GeForce 9300M GS graphics and HDMI output
- Health and environment friendliness with RoHS compliance<sup>10</sup>

\*with weight saver option

| Specifications             |   |
|----------------------------|---|
| Platform                   | Intel® Centrino® 2 Processor Technology<br>- Intel® Core™2 Duo Processor T9400* (2.53GHz, 6MB L2 cache, 1066MHz/ P8600* (2.40GHz, 3MB L2 cache, 1066MHz)<br>- Intel® PM45 Express Chipset<br>- Intel® WiFi Link 5300AGN (3x3) network connection  |
| Operating System           | Genuine Windows Vista® Business<br>(or Genuine Windows Vista® Home Premium)   |
| Display                    | 15.4-inch SuperFine WXGA TFT <sup>17</sup> 300nits, 1280 x 800 pixels/ 15.4-inch WSXGA+ TFT <sup>17</sup> 180nits, 1680 x 1050 pixels   |
| Modular Bay Device         | Dual Layer Super Multi Writer <sup>7</sup> / CD-RW Combo Drive  |
| Memory                     | 2GB DDR3 1066MHz/ 1GB DDR3 1066MHz<br>Max. Memory Supported <sup>14</sup> - 4GB DDR3 1066MHz, Dual Channel  |
| Hard Disk                  | 320GB/ 250GB/ 160GB   |
| Battery                    | Up to 3.5hrs <sup>1</sup> (8-cell Li-Ion 5200mAh)   |
| Weight                     | Approx. 2.5kg (w/ weight saver option)  |
| Detailed Specifications    |   |
| Hard Disk Drive            | SATA-150 5400rpm, S.M.A.R.T support, Two Partitions - 50/50 <sup>13</sup> , protected by Fujitsu 3D Shock Sensor <sup>15</sup>  |
| Graphics                   | NVIDIA GeForce 9300M GS with Total Available Graphics Memory <sup>6</sup> of 1023MB/511MB   |
| High Definition (HD) Audio | Realtek ALC269 HD audio codec with dual built-in stereo speakers<br>HD Audio-in: External Mic-in, Dual Built-in Stereo Microphones<br>HD Audio-out: Headphone-out   |
| Communication              | 1.3 Mega Pixel camera, Bluetooth® v2.1+EDR, Infrared IrDA 1.1 4Mbps <sup>3</sup> , 56k V.92 <sup>2</sup> Global Modem MDC1.5, Intel® 82567FLM/LF 1000/100/10Mbps <sup>1</sup> Gigabit Ethernet PCI Express® x 1 and Intel® WiFi Link 5300AGN (3x3) network connection with three antenna.<br>Separate ON/OFF switch for wireless network connection   |
| User Interface             | Spill-resistant Keyboard <sup>12</sup> . 84-key, 19mm key pitch, 2.7mm key stroke, Quick Point<br>Intelligent Touch Pad with configurable vertical and horizontal scroll functions<br>Fingerprint Sensor with vertical scroll functions   |
| Card Slots                 | PC Card Type II, ExpressCard™ /34 /54 support, Smartcard <sup>7</sup> , Secured Digital/ Memory Stick®/ Memory Stick® PRO   |
| Connector Interface        | USB 2.0 x 4, VGA (external display), RJ45 (LAN), RJ11 (modem), IEEE1394, HDMI, HD Audio-in, HD Audio-out, Serial, Parallel, Power Adapter DC-in, Port Replicator Interface  |
| Quick Launch Panel         | Four Programmable Application Launch Buttons (Internet, Email and two other softwares)  |
| Security <sup>8</sup>      | BIOS Lock, 2-password Hard Disk Lock, LifeBook Lock, Anti-theft Lock Slot, Smartcard <sup>7</sup> Slot, Fingerprint Sensor, Trusted Platform Module (TPM v1.2) option   |
| Dimensions                 | 357mm (W) x 257mm (D) x 33.3/ 34.5mm (H)  |
| Bundled Accessories        |   |
| AC Adapter                 | Input AC 100-240V, Output DC 19V 100W   |
| Bundled Software           | Softex Omnipass, CyberLink Power2Go™, CyberLink PowerDirector™, Roxio Easy Media Creator, Adobe Acrobat Reader, Fujitsu UpdateNavi <sup>16</sup> , Fujitsu 3D Shock Sensor Utility, Fujitsu Power Saving Utility, Fujitsu Hardware Diagnostic Tool, Fujitsu Display Manager, Sun Microsystems Java Runtime, Camera Capture Application, Microsoft Office Professional 2007 60-day Convertible Trial <sup>18</sup> |
| Other Software             | 1 year Full Licensed Norman Virus Control with Sandbox Technology and Norman Personal Firewall, Acronis True Image  |
| Optional Accessories       |   |
| Port Replicator            | Connector Interface:<br>USB 2.0 x 4, Headphone-out, Microphone-in, DVI-D, VGA (external display), RJ45 (LAN), PS/2 (keyboard/mouse), Serial, Parallel, Power Adapter DC-in  |
| Modular Bay Options        | Replaceable with<br>- Bay Battery, 6-cell Li-Ion 3800mAh, up to 5.5hrs <sup>1</sup> battery life (Standard + Bay Batteries)<br>- Dual Layer DVD Super Multi Writer <sup>7</sup><br>- 2 <sup>nd</sup> HDD Fitting Kit (w/o SATA HDD) <sup>11</sup><br>- DVD/CD-RW Combo Drive<br>- Weight Saver  |
| Floppy Disk Drive          | External USB 1.44MB FDD   |
| Mouse                      | USB Optical Scroll Mouse  |

The above information shows the general technical specifications of the product and does not represent actual configuration. For specific configurations and their availability, please check with your local distributors.

## Disclaimers:

- Results obtained from BAPCo's MobileMark® 2007/Productivity Workload performed on systems with maximum battery life settings under laboratory testing environment. Actual battery life will vary based on screen brightness, sound volume settings, running applications, connected peripherals, power management settings, battery conditioning, and other customer preferences in the real life situation. Built-in bay device or hard drive usage may also have a significant impact on battery life. Note: Battery life is based on Intel® Core™2 Processor T9400.
- Maximum 56Kbps performance varies according to your local service providers' services as well as line condition. V.92 performance is dependent on local service providers' services.
- This term does not represent actual data rate of 4Mbps and simply indicates compliance with IrDA standard specification 1.1. Actual maximum data rate depends on local configurations and connected devices.
- This term does not represent actual data rate of 1000/100/10Mbps and simply indicates compliance with IEEE 802.3, IEEE 802.3u and IEEE 802.3ab standards. Actual maximum data rate depends on network configurations, cable conditions as well as connected devices.
- Please check actual bundling with country local distributor. T9400 refers to (2.53GHz, 6MB L2 cache, 1066MHz FSB). P8600 refers to (2.4GHz, 3MB L2 cache, 1066MHz FSB).
- 1023MB Total Available Graphics Memory is available on 2GB system memory. It refers to a total of 256MB dedicated video memory and 767MB shared system memory. 511MB Total Available System will be less than the total size of the installed memory modules.
- Fujitsu does not provide the application for Smartcard solution.
- BIOS Lock needs a supervisor/user password to access BIOS setup. BIOS settings can be configured to prompt for password at every first bootup or all bootup sequences. Access to BIOS setup is needed to configure Hard Disk Lock. Hard Disk Lock requires an access key to retrieve data on the hard disk. This is a Data Confidentiality security feature. LifeBook Lock requires a supervisor/user password to bootup the LifeBook when it powers up or resumes last session from suspend/hibernate mode. This is an anti-theft feature with more than 800,000 password combinations using the buttons on the Quick Launch Panel. Anti-theft Lock Slot allows the use of a lock to physically secure the LifeBook. Smartcard slot usage is dependent on customer's solution. Fingerprint sensor uses AuthenTec TruePrint™ Technology and Softex OmniPass to remember customer list of user IDs and passwords. Full security unlock sequence - LifeBook Lock, Bootup Lock (BIOS Lock), Hard Disk Lock, Fingerprint Windows Login.  
NOTE: Loss of password requires the LifeBook to be returned to Japan factory for system refresh. Cost of shipment and lost data will be borne by the customer. Backup your user's profile before changing HDD. Without the user's profile associated with a document at the point of encryption, Softex OmniPass cannot decrypt the encrypted document. 2 passwords refers to Master Password and User Password of the HDD Lock. Master Password can be used to clear the User Password at the BIOS settings under Hard Disk Security. If HDD Lock prompt is enabled, only the User Password can be used to boot up the unit. Loss of these 2 passwords means the HDD content cannot be retrieved. It is the customer's responsibility to ensure the safe keeping of these 2 passwords for retrieval of data from the locked HDD.
- Supports DVD multi formats such as DVD-RAM, DL DVD±R, DVD±RW, DVD±R, CD-RW, DVD-ROM, CD-R and CD-ROM.
- RoHS (Restriction on Hazardous Substances) compliance means the system and its internal components comply with the EU RoHS directive (2002/95/EC) on the restricted use of six hazardous substances in the manufacture of the system and its internal components.
- Only the HDD Housing Kit and screws are provided. HDD is to be purchased separately.
- Spill-resistant Keyboard does not imply the system is water-proof. If liquid is spilled onto the keyboard, power off the system immediately and turn the notebook upside down to drain off the liquid.
- This refers to Windows Vista® hard disk drives C:\ and D:\. 50/50 refer to approximate 50% allocation of user accessible hard disk storage to C:\ and D:\ drives.
- 4GB DDR3 1066MHz maximum memory is supported when Fujitsu recommended 2GB DDR3 1066MHz memory module is made available.
- Fujitsu 3D Shock Sensor of a powered-up unit retracts hard disk read-write head to a secured zone upon detection of excessive vibrations or shocks. This greatly reduces the possibility of damage to the hard disk and its content - example in the event of a sudden drop or impact. The sensor monitors movement from three axes and its sensitivity can be adjusted by user to accommodate different working environments using the Fujitsu 3D Shock Sensor Utility.
- UpdateNavi is a Fujitsu Proprietary application that updates LifeBook drivers by connecting automatically to Fujitsu's server. This will help update your LifeBook with the latest software drivers and utilities to ensure compatibility between hardware and software, maintaining smooth operation anytime, anywhere.
- It is natural for all thin-film transistor (TFT) liquid crystal displays (LCD) to show a small number of missing or discolored dots. These are commonly known as non-conforming pixels. This is a technology limitation of TFT LCD and does not represent a defect. Fujitsu warranty does not cover limitations in technology such as non-conforming pixels.
- Microsoft Office Professional 2007 60-day Convertible Trial needs online activation to begin. 60-day starts from day of activation.

\*PCI Express® and the PCI Express design marks are registered trademarks and/or service marks of PCI-SIG.  
Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

Specifications reflected above are engineering and hardware specifications. They do not represent actual usage or operating dimensions, sizes, performances and weights as they are dependent on factors such as operating temperature, type of operating system and application used, connected devices and accessories as well as hardware configurations of the notebook. Please check the compatibility of 3rd party accessories before purchase. Ambient temperature: 5° to 35°C / 41 to 95°F (operating), -15° to 60°C / 5 to 140°F (non-operating). Relative humidity: 20% to 85% RH (operating), 8% to 85% RH (non-operating)



Windows Vista

