

# Fujitsu recommends Windows Vista® Home Premium.

## LifeBook P8020



- Latest technology with the Intel® Turbo Memory<sup>15</sup> for increasing and effective system responsiveness
- Genuine Windows Vista® Business
- Full-featured with integrated optical disk drive and SlimEdge Design provides bigger display area
- Excellent mobile computing in a compact and light form factor with long battery life
- Optimised VoIP communications using built-in microphone and 1.3 Mega Pixel camera<sup>3</sup>
- Superior security features with fingerprint sensor and Fujitsu 3D Shock Sensor<sup>9</sup>
- Health and environment friendliness with RoHS compliance<sup>6</sup>

Specifications	
<b>Platform</b>	Intel® Centrino® 2 processor Technology - Intel® Core™2 Duo Processor SU9400 (1.40GHz, 800MHz, 3MB L2 Cache) - Mobile Intel® GS45 Express Chip with ICH9M - Intel® WiFi Link 5300AGN (3x3) network connection
<b>Operating System</b>	Genuine Windows Vista® Business (or Genuine Windows Vista® Home Premium)
<b>Display</b>	12.1-inch SuperFine Wide XGA TFT <sup>18</sup> , 1280 x 800 pixels (250nits Brightness, 45% Colour Gamut)
<b>Built-in Bay Device</b>	Dual Layer DVD Super Multi Writer <sup>5</sup>
<b>Memory</b>	2GB <sup>15</sup> DDR3 800MHz/ 1GB <sup>15</sup> DDR3 800MHz Max. Memory Supported <sup>11</sup> - 4GB DDR3 800MHz, Dual-Channel
<b>Intel® Turbo Memory<sup>15</sup></b>	2GB
<b>Hard Disk</b>	320GB <sup>19</sup> / 250GB <sup>19</sup> / 160GB <sup>16</sup>
<b>Bluetooth®</b>	V2.1 + EDR (Enhanced Data Rate)
<b>Battery</b>	Up to 6.2 hrs <sup>12</sup> (6-cell Li-Ion 7.2V 8700mAh)
<b>Weight</b>	Approx. 1.30kg (w/ built-in optical disk drive & 6-cell battery)
Detailed Specifications	
<b>Hard Disk Drive</b>	SATA-150 5400rpm, S.M.A.R.T support, Two Partitions - 50/50 <sup>3</sup> , protected by Fujitsu 3D Shock Sensor <sup>9</sup>
<b>Graphics</b>	Integrated Intel® Graphics Media Accelerator 4500MHD with Intel® Clear Video Technology <sup>1</sup> and DVMT <sup>7</sup> 5.0 delivers low-power, high-performance 2D/3D graphics with Shader Model 4.0, video and display capabilities at a maximum shared memory <sup>17</sup> of 783MB/ 271MB.
<b>High Definition (HD) Audio</b>	RealTek ALC269 HD audio codec with dual built-in stereo speakers HD Audio-in: External Mic-in, Analog Built-in Microphone HD Audio-out: Headphone-out
<b>Communication</b>	Bluetooth® v2.1+EDR, 1000/100/10Mbps <sup>2</sup> Gigabit Ethernet PCI Express® x 1 and Intel® Wireless WiFi Link 5300AGN (3x3) network connection with three Antenna. Separate ON/OFF switch for wireless network connection. Built-in 1.3 Mega Pixel camera <sup>3</sup>
<b>User Interface</b>	Spill-resistant Keyboard <sup>13</sup> : 82-key, 18mm key pitch, 2mm key stroke Intelligent Touch Pad with configurable vertical and horizontal scroll functions Fingerprint Sensor with vertical scroll functions
<b>Card Slot</b>	PCMCIA Card Slot Type I/II, Secured Digital Card Slot
<b>Connector Interface</b>	USB 2.0 x 3, VGA (external display), RJ45 (LAN), IEEE1394, HD Audio-In, HD Audio-Out, Power Adapter DC-in, Port Replicator Interface
<b>Quick Launch Panel</b>	Four Programmable Application Launch Buttons (Support/ ECO (Power Saving Utility)/ Presentation/ Internet)
<b>Security<sup>4</sup></b>	BIOS Lock, 2-password Hard Disk Lock, Anti-theft Lock Slot, Fingerprint Sensor, Trusted Platform Module Option
<b>Dimensions</b>	Approx. 274.2-280.4mm (W) x 210.1mm (D) x 28.5-37.4mm (H)
Bundled Accessories	
<b>AC Adapter</b>	Input AC 100-240V, Output DC 16V 60W (3.75A)
<b>Bundled Software</b>	CyberLink Power2Go™, CyberLink PowerDirector™, Roxio Easy Media Creator, Adobe Acrobat Reader, Fujitsu UpdateNav <sup>10</sup> , Fujitsu Hardware Diagnostic Tool, Fujitsu Display Manager, Fujitsu 3D Shock Sensor Utility, Fujitsu Power Saving Utility, Fujitsu Hotkey Utility, Softex OmniPass, Sun Microsystems Java Runtime, ArcSoft Camera Capture, Microsoft Office Professional 2007 60-day Convertible Trial <sup>14</sup>
<b>Other Software</b>	1 year Full Licensed Norman Virus Control with Sandbox Technology and Norman Personal Firewall, Acronis True Image
Optional Accessories	
<b>Port Replicator</b>	Connector Interface: USB 2.0 x 4, DVI-D, Headphone-out/ Line-out, VGA (external display), RJ45 (LAN), Power Adapter DC-in
<b>Floppy Disk Drive</b>	External USB 1.44MB FDD
<b>Mouse</b>	Optical USB Black Mouse (Retractable)

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

#### Disclaimers:

- 1 Intel® Clear Video Technology is a combination of video processing hardware and software technologies that delivers enhanced high-definition video playback, sharper images, precise color control and advanced support for a wide range of digital displays interfaces, including High-Definition Multimedia Interface (HDMI).
- 2 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 rates depend on network configurations, cable conditions as well as connected devices.
- 3 Available only for models with built-in camera. Please check with your local distributor on the local configurations.
- 4 BIOS Lock needs a supervisor 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. Anti-theft Lock Slot allows the use of a lock to physically secure the LifeBook. Fingerprint Sensor uses AuthenTec TruePrint™ Technology and Softex OmniPass to remember customer list of user IDs and passwords. Full security unlock sequence - 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 password refers to Master Password and User Password of the HDD Lock. The 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.
- 5 Supports DVD multi formats such as DVD-RAM, DL DVD±R, DVD±RW, DVD±R, CD-RW, DVD-ROM, CD-R and CD-ROM.
- 6 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 production of the system and its internal components.
- 7 Dynamic Video Memory Technology (DVMT) dynamically responds requirement and efficiently allocates the proper amount of memory (max. 1295MB for 4GB system memory) for optional graphics and system performance. The memory size available to the Operating System will be less than the size of installed memory module.
- 8 This refers to Windows Vista® hard disk drives C:\ and D:\. 50/50 refers to approximate 50% allocation of user accessible hard disk storage to C:\ and D:\ drives. For Windows Vista® hard disk drives, 1GB will be reserved for internal recovery usage which is not shown.
- 9 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 contents - 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.
- 10 UpdateNav 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.
- 11 The system can support up to 4GB of physical memory, but the system will use up to only 3GB (1GB - 1024MB) accessible memory.
- 12 Results obtained from BAPOC® 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 devices or hard drive usage may also have a significant impact on battery life. Note: Up to 6.2hrs battery life is based on Intel® Core™2 Duo Processor SU9400 configuration with standard 6-cell 8700mAh battery.
- 13 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.
- 14 Microsoft Office Professional 2007 60-day Convertible Trial needs online activation to begin. 60-day starts from day of activation.
- 15 Intel® Turbo Memory is a multi-component platform technology that uses non-volatile memory (Flash memory) to increase system responsiveness, make multi-tasking faster.
- 16 Please check actual bundling with country local distributor.
- 17 Maximum shared memory depends on system memory capacity and system configuration. 783MB refers to 2GB system memory capacity, 271MB refers to 1GB system memory capacity.
- 18 It is natural for all thin-film transistors (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.

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Specifications reflected above are engineering and hardware specifications. They do not represent actual usage or operating dimensions, sizes, performances and weights as these 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). Please note that 1GB is equivalent to 1,073,741,824 bytes.

