

LIFEBOOK E8020

Your expert without compromises

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The LIFEBOOK E Series follows a simple philosophy: only the best will do. It is the perfect choice for the extreme office user: get latest technology to turn any work into a pleasant experience. The result is mobile performance equally powerful as desktop models.

The LIFEBOOK E8020 is equipped with the latest Intel technology, a 15-inch XGA¹⁾ or 15-inch SXGA+ display for excellent viewing and powerful graphics. It offers you a full blown modular bay concept to provide the system with a large variety of different extensions. An integrated BIOS-based password system and hard disk drive protection, a sophisticated Security Panel and native support for SmartCards make the LIFEBOOK Series one of the most secure product line in the world.

Powerful Intel® Centrino™ Mobile Technology²⁾ delivers high performance and long working away from the power socket.

Mobility

Groundbreaking mobile technology for highest demands

- Power-saving Intel® Pentium® M Processor with enhanced SpeedStep™ technology for long independent working
- Increased productivity due to latest Intel chipset
- Optional best-in-class ATI MOBILITY™ RADEON™ X600 delivers smooth graphics

Ergonomics and flexibility in- and outside the office

- Enjoy the viewing quality of brilliant TFT displays and graphics:
Choose 15-inch XGA¹⁾ or 15-inch SXGA+ display, for comfortable working
- Dual pointing devices:
Touchpad and touchstick for ergonomic working
- Port Replicator optionally available for simple connection to all your peripherals
- Robustness on the move with highest quality and magnesium lid

Highest independence everywhere

- Long lasting battery up to 10 hours with first and second battery
- Ideal connectivity through optional WLAN and Bluetooth
The antennas are integrated in the lid for best signal reception
- Modular bay fitting an extra drive or battery for more flexibility

Remote administration while traveling

- Easy and remote administration with DeskView client management
- ManageIT: software suite with best integration into your IT environment optionally available

Security to protect your sensible data away from the office

- Easy and secure access and data protection for your business intelligence
- SecureIT: software suite with best integration into your IT environment as option
- Mobile security via built-in Security Panel
- F-Secure antivirus software
- Trusted platform module (TPM) provides more secure applications and makes transaction trust worthy (for projects only)



¹⁾ 15-inch XGA display with external ATI graphics only via customizing services made4you available

²⁾ Optional, if Intel PRO/Wireless 2200BG module is integrated LIFEBOOK Series without Intel WLAN module are branded with letter "D" e.g.

Software Suites

ManageIT Suites	SecureIT Suite ¹⁾
<p>ManageIT Suites Migration</p> <ul style="list-style-type: none"> Increase efficiency of software and operating system deployment, manage software patches and migrate user settings with Altiris software solutions <p>ManageIT Suite Controlling</p> <ul style="list-style-type: none"> Enhance your multivendor hard- and software inventory, manage the use of application software licenses effectively and support your end user remotely with software solutions from Altiris 	<p>SICRYPT SMARTY</p> <ul style="list-style-type: none"> Windows access protection with SmartCard Prevention of unauthorized access to PC / network <p>SmartCase™</p> <ul style="list-style-type: none"> File encryption for data protection Secure password container Comfortable and secure password protection Simple and secure password storage <p>E-Mail Encryption with SmartCard²⁾</p> <ul style="list-style-type: none"> Secure and easy to use encrypted e-mail <p>SmartCard</p> <ul style="list-style-type: none"> Standardized technology for use in several applications <p>SystemLock</p> <ul style="list-style-type: none"> Pre-boot access protection with SmartCard Prevention of unauthorized booting of PC

1) SmartCard reader / writer mandatory

2) uses native support from Microsoft Windows Operating System

	LIFEBOOK E8020 mainstream	LIFEBOOK E8020 supreme
Microsoft® Windows® XP Professional	preinstalled	preinstalled
System		
Processor support for enhanced Intel SpeedStep™ technology based on Intel® Centrino™ Mobile Technology*)	Intel® Pentium® M 740 (1.73 GHz) Intel® Pentium® M 760 (2.00 GHz) Intel® Pentium® M 770 (2.13 GHz - for projects only)	Intel® Pentium® M 740 (1.73 GHz) Intel® Pentium® M 760 (2.00 GHz) Intel® Pentium® M 770 (2.13 GHz - for projects only)
Second-level cache integrated (MB)	2	2
Front Side Bus (MHz)	533	533
Chipset	Northbridge Southbridge	Intel 915GM ICH 6-M
Memory modules DDR2-533 SDRAM (dual channel support)	256 - 1024 MB, up to 2 GB	256 - 1024 MB up to 2 GB
MHz	533	533
DIMM slots	2	2
BIOS	Phoenix First BIOS™	Phoenix First BIOS™
Graphics		
Intel graphics media accelerator 900, up to 128 MB (DVMT)	x	-
ATI MOBILITY RADEON X600 graphics 64 MB, with dedicated video RAM	-	x
Audio		
Intel high definition audio	x	-
AC97 Codec ALC203, SoundBlaster™ compatible stereo speakers	-	x

Operating system

Microsoft Windows XP Professional

Fujitsu Siemens Computers recommends Microsoft® Windows® XP Professional for versatile mobile computing

Interfaces

Infrared link (Fast IrDa 1.1, 4 Mbps),
 1 x Express card I/II, 1 x type I/II for PC Card,
 1 x SD / MMC slot, 1 x SPDIF/headphone, 1 x microphone
 1 x PS/2, 1 x IEEE 1394,
 4 x USB 2.0 (3 x rear side, 1 x left side),
 1 x serial port, 1 x parallel port,
 1 x VGA, 1 x S-Video out (TV-out),
 1 x LAN RJ-45, 1 x modem connector RJ-11,
 1 x DC-in (power supply),
 1 x Docking connector for Port Replicator
Port Replicator interfaces (optional):
 1 x DC-in, 1 x PS/2, 1 x serial, 1 x parallel, 1 x VGA,
 1 x microphone, 1 x headphone, 4 x USB (2.0),
 1 x GBLAN (pass through), 1 x DVI-D port,
 1 x power on switch, Kensington Lock

Communications

56 Kbps V.92 Lucent AC Link Modem
 Built-in 10/100/1000 Mbps GBLAN (Broadcom 5751M-B0)
 Optional Intel PRO/Wireless 2200 LAN (802.11 b/g),
 Optional Intel PRO/Wireless 2915 a/b/g for projects only,
 Optional Bluetooth V1.2

Wireless Technologies (WLAN)

Import and usage according to country-specific regulations
 The LIFEBOOK Series is WiFi certified 

Keyboard

Keyboard with Windows keys (85 keys)
 19 mm pitch, 2.7 mm key stroke
 Touchstick, Touchpad (Alps), two mouse buttons and one scroll button, 4 Quick Touch application buttons

Display

15-inch TFT-XGA-display, 1024 x 768 pixel
 (for ATI graphics only via made4you service available)
 15-inch TFT-SXGA+-display, 1400 x 1050 pixel
 DualView (Windows XP/Windows 2000)
 Max. resolution for external displays
 1600 x 1200 / /true color /85 Hz, DVI-D max. cable length 2 m

Hard disk drives internal ¹⁾

40, 80 GB S-ATA 150 (5400 rpm), 60 GB (available in May)
 Supports Advanced Host Controller Interface (AHCI)

Modular bay

Optional devices for modular bay are compatible to LIFEBOOK S7010 and E8010 and include:
 optical drives, hard disk drive, second battery, weight saver

Drive optional in modular bay

DVD/CD-R/RW combo drive, DVD±RW dual layer (+R)
 multi-format DVD writer with double layer support
 More information in specific Data Sheet:
http://www.fujitsu-siemens.com/optical_drives/

Manageability

The DeskView 5.x manageability software contains the following modules: Desk Alert, DeskFlash, DeskInfo, DeskOff, DeskWoL and DeskView Browser.

The DeskView 10 x client management solution contains a Web based console, an integrated database, DeskView Notifications, DeskView Inventory, DeskFlash and DeskOff.

Mobile management

PXE (only combined with built-in LAN), DMI 2.0, WfM 2.0 WoL, WoM

Security

New Trusted Platform Module ready, Built-in Security Panel with PIN code, Integrated SmartCard reader, User and supervisor BIOS password, Boot sector write protection, Password from resume (only with Security Panel), S.M.A.R.T hard disk drive support, hard disk password, Kensington Lock support

Power supply

Li-Ion first battery:
 8 cells, 14.4 V, 4800 mAh, 69.1 Wh

Li-Ion second battery:
 6 cells, 10.8V ,3800 mAh, 41 Wh

Battery runtime with integrated Intel graphics¹⁾

1st battery: up to 5 h

1st + 2nd battery: up to 8 h

Battery runtime with external ATI graphics¹⁾

1st battery: up to 4 h 30 min

1st + 2nd battery: up to 8 h

according to the official Mobile Mark 2002

Rated voltage (AC input) 100 – 240 V

Rated frequency 50 – 60 Hz

AC output 19 V, 4.22 A / 80 W

Operating conditions / temperatures / dimensions / weight

Relative humidity 20% - 85% (running)

Ambient temperature 15°C - 35°C

Dimensions (H x W x D) 35 - 37 x 333 x 285 mm

Weight (incl. weight saver) 2.9 kg (Intel graphics)

2.96 kg (ATI graphics)

Certifications

CE and CB, TBR21 approval for V.90 / V.92 modem (EU, EFTA)
 Energy Star, GS (German ergonomic approval)

Software /Operating system

Windows XP Professional, Windows 2000 driver support,
 Adobe Acrobat Reader, Nero Burning ROM, Odyssey Client,
 TPM software with TPM module only,
 WinDVD for MPEG II decode, Driver and Utility CD including
 F-Secure Antivirus, Easy Guide on-line user documentation

Options / Accessories

Further bay modules: Li-Ion battery, hard disk and optical drives,
 Common Port Replicator for LIFEBOOK S7010, E8010, and more
www.fujitsu-siemens.com/accessories

¹⁾ Gbyte equals one billion bytes, when referring to hard disk drive capacity; accessible capacity may vary, also depending on used software and tool

²⁾ Battery life may vary depending on product model, configuration, applications, power management settings and features utilized.