

Data Sheet Fujitsu LIFEBOOK® E744 Notebook

A durable, elegant, thin commercial notebook, combining style with business computing

Fujitsu recommends Windows.

LIFEBOOK E series premium notebooks are specifically designed to stand up to the demands of hard business use. Offering a line of 15.6-inch, 14-inch and 13.3-inch notebooks and industry leading slim design, you'll find the perfect device to fit your exact business needs. This business-aligned series of notebooks include a common BIOS, components and accessories, resulting in decreased complexity and roll-out expenses. With their superb feature set, ergonomic design and thorough security concept you don't have to make compromises when selecting your next business computer. Featuring a brilliant LCD display, a variety of interfaces and high-end security features, this configurable notebook can provide you exceptional convenience and flexibility whenever or wherever you need a computer you can count on.

Performance

Powered by the 4th Generation Intel® Core™ processor, with Turbo Boost Technology¹ these LIFEBOOK E series notebooks help businesses cut costs and increase efficiency by taking advantage of intelligent performance, unique hardware-assisted security, and manageability features. Custom configure your notebook with one of Intel's top performing processors. Breeze through standard business apps with ease, or take on more challenging apps with confidence.

Turbo Boost technology improves the performance of your application with an automatic burst of speed, whenever you need it.

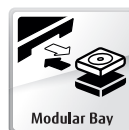
Premium Features

Why not maximize your productivity with premium notebooks that can provide you with one of the best feature sets for business users?

- Durability: Meets strict factory standards to withstand heavy day to day use. Comprised of Magnesium Alloy, Anodized Aluminum, and GLASS Fiber Reinforced Plastic cover and durable hinges designed to protect your investment. Also met strict military standards per MIL-STD-810G to withstand various demanding environmental conditions.
- Extended battery life: with the ability to use two batteries
- Supports Intel Rapid Start Technology to get you up and running quickly
- Optional backlit keyboard, large touchpad and modular bay for 2nd battery, Blu-ray™ drive, or Dual Layer DVD writer for convenient and flexible working environments
- Integrated optional SmartCard reader, optional Full Disk Encryption (FDE) drives and fingerprint sensor for excellent protection of company data
- Full set of interfaces with wireless connectivity and Full HD webcam with status LED for easy connectivity



Shown with optional Port Replicator



Technical details

Fujitsu recommends Windows.

Software

Operating systems	Windows 8.1 Pro 64-bit Windows® 7 Professional 64-bit
Additional Software	
Security software	McAfee Multi Access (anti-virus and internet security software; 60 days trial version)
Additional software (preinstalled)	Adobe® Reader® Application Panel Display Manager ShockSensor Utility (not available on SSD) Power Saving Utility Online user documentation CyberLink PowerDirector, CyberLink PowerDVD, CyberLink YouCam
Additional software (optional)	CyberLink MakeDisc, Skype for Windows® 8.1
Key Specifications	(Listed specifications are for the current model only and NOT for earlier models or revisions to this product.)
Processor²	4th Generation Intel® Core™ i3-4000M processor (3 MB, up to 2.4 GHz) 4th Generation Intel® Core™ i5-4210M processor (3MB, up to 3.2 GHz) with Intel® Turbo Boost Technology 4th Generation Intel® Core™ i5-4310M vPro™ processor (3 MB, up to 3.4 GHz) with Intel® Turbo Boost Technology 4th Generation Intel® Core™ i7-4610M vPro™ processor (4 MB, up to 3.7 GHz) with Intel® Turbo Boost Technology 4th Generation Intel® Core™ i7-4712MQ processor (6MB, up to 3.3 GHz) with Intel® Turbo Boost Technology
Chipset³	Intel® QM87
Memory modules	2 GB DDR3, 1600 MHz, PC3-12800, SO DIMM 4 GB DDR3, 1600 MHz, PC3-12800, SO DIMM 8 GB DDR3, 1600 MHz, PC3-12800, SO DIMM
Base unit memory (LIFEBOOK E744 14. in.)	
Supported capacity RAM (max.)	16 GB (8 GB + 8 GB)
Memory slots total	2
Memory slot type	DIMM (DDR3) ⁴
BIOS features	BIOS based on Phoenix SecureCore
Display⁵	14-inch, LED backlight, (HD+), Anti-glare display, 1600 x 900 pixel, 250 cd/m ²
Graphics⁶	
TFT resolution (DisplayPort)	up to 2560 x 1600
TFT resolution (VGA)	up to 1920 x 1200
TFT resolution (DVI on Port Replicator)	up to 1920 x 1200
Graphics brand name	Intel® HD Graphics 4600
Video memory total	Win8.1 64-bit - Main memory 2 GB – Up to 735 MB - Main memory 4 GB or more – Up to 1664 MB Win7 64-bit - Main memory 2 GB – Up to 774 MB - Main memory 4 GB or more – Up to 1696 MB
Hard disk drives (internal)⁷	320 GB (5400 rpm) hard drive - With and without TCG Opal Compliant Self-encrypted Drive (SED) 500 GB (5400 rpm) hard drive 320 GB (5400 rpm) Hybrid hard drive with 8GB Cache 500 GB (5400 rpm) Hybrid hard drive with 8GB Cache 500 GB (7200 rpm) hard drive 128 GB Solid State Drive –With and without TCG Opal Compliant Self-encrypted Drive (SED) 256 GB Solid State Drive – With and without TCG Opal Compliant Self-encrypted Drive (SED) 512 GB Solid State Drive (SSD drives support Intel® RST Technology)

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WLAN (optional)	Intel® Dual Band Wireless-N 7260 802.11 a/b/g/n with integrated Bluetooth® Intel® Wireless-N 7260 b/g/n, with integrated Bluetooth® Intel® Dual Band Wireless-AC 7260 802.11 ac/a/b/g/n with integrated Bluetooth®
Wireless technologies	
Antennas	2 Dual band WLAN antennas
Wireless Broadband (optional)⁸	Integrated 4G Sierra Wireless AirPrime™ EM7355 with GPS support. Carriers supported: AT&T and Verizon Wireless. GPS support available in the USA only. Contact your service provider to obtain a (2FF) Mini-SIM card.
Modular bay options	2 nd battery Blu-ray Disc® writer (BD-XL) Dual layer multi-format DVD writer Weight saver
Base unit	LIFEBOOK E744
Interfaces	
Memory card slots	1 (SD3.0 up to 2 GB, SDHC up to 32 GB, SDXC up to 64 GB)
SmartCard slot	1 (optional)
USB 3.0 total	3 (1 with Anytime USB Charge functionality)
USB 2.0 total	1
VGA	1
DisplayPort	1
Ethernet (RJ-45)	1
DC-in	1
Audio: line-in / microphone	1
Audio: line-out / headphone	1
Internal microphones	2x digital microphones (array)
Docking connector for Port Replicator	1
Kensington Lock support	1
Wired communication	
LAN	Built-in 10/100/1000 MBit/s Intel® 1217LM
Keyboard and pointing devices	Standard spill-resistant keyboard (Black keycaps with red sides); Antimicrobial spill-resistant keyboard (black keycaps); back lit keyboard (black key caps) Number of keyboard keys: 84, Keyboard pitch: 0.73 in. (18.4mm), Keyboard stroke: 0.067 in. (1.7mm) Touchpad (3.77 in x 2.27 in) with 1 integrated mouse button Optional: Fingerprint sensor ECO Button helps conserve battery life
Multimedia	
Audio type	On board
Audio codec	Realtek ALC3233
Audio features	Stereo speakers
Camera	Optional: Built-in webcam with LED indicator, Full HD (2.073 megapixel) (Microsoft® Lync™)
Power supply	
AC Adapter ⁹	19 V / 90W (4.74A), 100 V - 240 V (AC Input), 50 Hz - 60 Hz, 3-pin (grounded) AC-Adapter 19 V / 65 W (3.42 A), 100 V - 240 V (AC Input), 50 Hz - 60 Hz, 3-pin (grounded) AC-Adapter
1 st battery options	Li-Ion battery 6-cell, 63 Wh Li-Ion battery 6-cell, 72 Wh
2nd battery (optional)	Li-Ion battery 6-cell, 28 Wh
Runtime 1st battery ¹⁰	Up to 13 hrs and 10 min (with 72 Wh battery)

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Runtime 1st + 2nd battery ¹⁰	Up to 21 hrs (with 72 Wh high capacity main battery + 2nd Battery + SSD Hard Drive)
Battery charging time	~160 min (63Wh) ~ 200 min (72Wh)
Dimensions / Weight / Environmental	
Dimensions (W x D x H)	13.31 in. x 9.1 in. x 0.81-1.06 in.
Weight	With modular optical drive 4.16 lbs.; with modular weight saver 3.94 lbs.; with 2nd modular battery 4.38 lbs.
MIL-STD Built Tough¹¹	
	MIL-STD-810G tested for various demanding environmental conditions, functional shock, vehicle vibration, vibration integrity, altitude, low (cold) and high (heat) temperature, humidity, transit drop, and blowing dust
Operating ambient temperature	
	42-91 °F
Operating relative humidity	
	20 - 85 %
Security	
System protection	Kensington Lock support Advanced Theft Protection (Computrace®)
Access protection	Hard disk password Optional: Access protection via internal SmartCard reader User and supervisor BIOS password OmniPass Fingerprint Software (pre-installed) Optional: Trusted platform module (TPM 1.2)
Port Replicator interfaces (optional)	
DC-in	1 (19V)
Power on switch	1
Audio: headphone	1
Audio: microphone	1
USB 3.0 total	4
DisplayPort	2 (up to 2560 x 1600) - 1 DP shared with DVI, works exclusive with DVI
VGA	1 (up to 1920 x 1200)
DVI	1 (up to 1920 x 1200) - shared with 1 of the display ports - works exclusive with DP
Ethernet (RJ-45)	1 (10/100/1000)
Kensington Lock support	1
eSATA	1
	Port replicator supports up to three displays
Compliance and Service Information	
Warranty	One or three year International Limited Warranty on select corporate configurations; 24/7 technical support
Product Compliance	FCC Part 15B Class B and FCC Part 15C; FCC Part 15E; IC ICES-003 Class B and RSS-210, UL-cUL Listed, CE Marking, ENERGY STAR® V6.0 qualified

Notes:

- 1) Turbo boost technology supported on select processors
- 2) Supports Intel® Turbo Boost Technology
- 3) Supports iAMT 8.0, Intel® vPro™ requires Core i5-43xx / i7-46xx processor & TPM module
- 4) DDR3 - 1600 MHz
- 5) Viewing angle HD: Left/Right 45°, Top 15°, B 35°
- 6) Shared memory depending on main memory size and operating system
- 7) One GB equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on installed software. Up to 20 GB of HDD space is reserved for system recovery Internal HDD interface: S-ATA III (6GBit/s)
- 8) 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. Service may vary significantly within buildings. Coverage 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.
- 9) 65W AC Adapter for usage with system/ 90W AC Adapter for usage with Port Replicator
- 10) Battery life tested using MobileMark 2007 and Windows® 7 operating system, and may include audio muted and power saving utility enabled. Battery life will vary depending on the product configuration, product model, application loaded on the product, power management settings on the product, Operating System, and the product features used by the customer. As with all batteries, the maximum capacity of the installed batteries will decrease with time, usage, and how often the batteries are charged by the user.
- 11) MIL-STD-810G test results are not a guarantee of future performance under identified test conditions, nor does it imply that it will meet the contract requirements of Department of Defense. Accidental damage is not covered under standard international limited warranty.

About Fujitsu Americas

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FPC65-6571-11 9/15
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Contact

FUJITSU AMERICA, INC.
Address: 1250 East Arques Avenue Sunnyvale, CA 94085-3470, U.S.A.
Telephone: 800 831 3183 or 408 746 6000
Website: <http://solutions.us.fujitsu.com>
Contact Form: <http://solutions.us.fujitsu.com/contact>
Have a question? Email us at: AskFujitsu@us.fujitsu.com