



Data Sheet

FUJITSU LIFEBOOK U745

Notebook

Business Elegance meets Premium Security

Fujitsu recommends Windows.

The FUJITSU Notebook LIFEBOOK® U745 is a slim and light Ultrabook™ computer for professionals requiring optimum mobility for business trips and ergonomics in the office. Its low weight from 3.6 lb. (1.55 kg) combined with a 14-inch (35.6 cm) anti-glare display with touch panel and backlit keyboard options offers you mobile comfort. The integrated pull-out LAN connector offers added connectivity without carrying adapters along with you. Moreover, an embedded palm vein sensor and a variety of enterprise class security options ensure ultimate protection of your company data. While the common port replicator with the LIFEBOOK E family facilitates workplace sharing, the VGA port on the Ultrabook™ allows you to present on demand. Direct accessibility to exchange the battery, RAM and internal storage grants autonomy for upgradeability.

Elegance in combination with ergonomics

Elegant design and maximized ease of use in every situation.

- A slim 0.75 in. (19mm) and lightweight notebook at 3.4 lbs. (1.55 kg), HD+ anti-glare display with touch panel option, magnesium housing with aluminum palm rest

Optimum mobility and workplace convenience in one

Convenient working anywhere with a variety of features for the most demanding mobile user

- Integrated VGA port, display port, common port replicator with LIFEBOOK E family, Anytime USB Charge to charge phones, media devices even when the system is turned off, backlit keyboard option

Premium Security

Assure protection of your notebook and company data from unauthorized access

- Embedded palm vein sensor or fingerprint sensor option, Advanced Theft Protection, Full Disk Encryption, Smart Card reader option, Trusted Platform Module option

Ultimate Connectivity

Flexibility and increased availability through a variety of options

- Pull-out LAN connector, WLAN and Bluetooth®, Intel® WiDi

Easy upgradeability

Direct access to key components reduces upgrade time and costs

- Door to exchange the battery, memory and internal storage



Components

Fujitsu recommends Windows.

Processor	Intel® Core™ i5-5200U processor (2.2 GHz, up to 2.7 GHz, 3 MB) * Intel® Core™ i3-5010U processor (2.1 GHz, 3 MB) * Intel® Core™ i7-5600U processor (2.6 GHz, up to 3.2 GHz, 4 MB) Intel® Core™ i5-5300U processor (2.3 GHz, up to 2.9 GHz, 3 MB) *Processor only for retail, SMB, education and government (does not support Intel® vPro™ technology) Intel® Core™ vPro™ Processor - Best Platform for Businesses of all sizes
Operating systems	Windows® 8.1 Pro 64-bit Windows® 7 Professional 64-bit
Memory Modules	4 GB (1 module(s) 4 GB) DDR3 L, 1,600 MHz, PC3-12800, SO DIMM 8 GB (1 module(s) 8 GB) DDR3 L, 1,600 MHz, PC3-12800, SO DIMM
Hard disk drives (internal)	SSD SATA III, 128 GB, 2.5-inch, OPAL capable SSD SATA III, 128 GB, 2.5-inch SSD SATA III, 256 GB, 2.5-inch, OPAL capable SSD SATA III, 256 GB, 2.5-inch SSHD, 320 GB / 8 GB SSD Cache, 2.5-inch, S.M.A.R.T. HDD, 500 GB, 7200rpm, 2.5-inch SSHD, 500 GB / 8 GB SSD Cache, 2.5-inch, S.M.A.R.T., OPAL capable SSHD, 500 GB / 8 GB SSD Cache, 2.5-inch, S.M.A.R.T. SSD SATA III, 512 GB, 2.5-inch, OPAL capable
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software. Up to 20 GB of HDD space is reserved for system recovery Internal HDD interface: S-ATA III (6GBit/s) ShockSensor for HDD shock protection Hard disk is user-replaceable
WLAN (optional)	Intel® Dual Band Wireless-N 7265 2x2 b/g/n with integrated Bluetooth 4.0 Intel® Dual Band Wireless-AC 7265 2x2 ac/a/b/g/b/n with integrated Bluetooth 4.0
Display	14 inch (35.6 cm), LED backlight, (HD+), Anti-glare touchscreen, magnesium, 1,600 x 900 pixel, 400:1, 250 cd/m ² 14 inch (35.6 cm), LED backlight, (HD+), Anti-glare display, magnesium, 1,600 x 900 pixel, 400:1, 250 cd/m ²

Base Unit

Fujitsu recommends Windows.

Base Unit	LIFEBOOK U745 14.0-inch
General System Information	
Chipset	Integrated
Chipset notes	Supports iAMT 10.0 Intel® vPro™ requires Core i5-53xx & i7-56xx CPU, Intel® Dual Band Wireless-AC 7265 and TPM module
Memory slots	1 DIMM (DDR3L)
Supported capacity RAM (max.)	12 GB
Memory notes	DDR3L – 1,600 MHz 4 GB onboard, 1 DIMM slot with max. 8 GB DIMM is user-replaceable
LAN	Built-in 10/100/1,000 MBit/s Intel® 218LM
BIOS features	BIOS based on Phoenix SecureCore
Audio type	On board
Audio codec	Realtek ALC3233
Audio features	Stereo speakers
Display	
Display notes	Viewing angle: Left/Right 40°, Top 10°, Bottom 30°; 16ms response time; Color Gammut: 45%
Multimedia	
Camera	Built-in webcam (HD) with Status LED
Graphics	
Base Unit	LIFEBOOK U745 14.0-inch
TFT resolution (DisplayPort)	up to 2,560 x 1,600
TFT resolution (VGA)	up to 1,920 x 1,200
TFT resolution (DVI on Port Replicator)	up to 1,920 x 1,200
Graphics brand name	Intel® HD Graphics 5500
Graphics features	3 Display Support
Graphics notes	Shared memory depending on main memory size and operating system
Interfaces	
DC-in	1
Audio: line-out / headphone	1
Audio: line-in / microphone	1
Internal microphones	2x digital microphones (array)
USB 3.0 total	3 (1 with Anytime USB Charge functionality)
VGA	1
DisplayPort	1
Ethernet (RJ-45)	1 (pull-out connector)
Memory card slots	1 (SD up to 2GB, SDHC up to 32GB, SDXC up to 128GB)
Smart Card slot	1 (optional)
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 (next to DVI) is shared with DVI, works when DVI not connected
VGA	1 (up to 1920 x 1200)
DVI	1 (up to 1920 x 1200) - shared with DP (next to DVI) - works when DP (next to DVI) not connected
Ethernet (RJ-45)	1 (10/100/1000)
Kensington Lock support	1 (Portrep and System)
eSATA	1
Keyboard and pointing devices	Black colored key caps for backlight keyboard (Anti-bacterial keyboard) Black colored key caps with red frame

Base Unit

Fujitsu recommends Windows.

for standard spill-resistant keyboard
 Number of keyboard keys: 85, Keyboard pitch: 19 mm, Keyboard stroke: 1.7 mm
 Touchpad with two mouse buttons
 Eco Button with status LED
 Wireless button with Status LED

Wireless technologies

Antennas 2 Dual band WLAN antennas, Bluetooth antenna shared with WLAN
 WiDi support Yes, with Intel® WLAN

Power supply

AC Adapter 19 V / 65 W (3.42 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) slim and light AC-Adapter
 19 V / 90 W (4.74 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) AC-Adapter

Notes 65W AC Adapter for usage with system/ min. 90W AC Adapter for usage with Port Replicator

1st battery options Lithium polymer battery 4-cell, 45 Wh

Runtimes Up to 12 hours, 30 minutes with Non-Touch Display and SSD
 Up to 11 hours, 50 minutes with Touch Display and SSD
 Up to 11 hours with Non-Touch Display and Hybrid HDD
 Up to 10 hours, 20 minutes with Touch Display and Hybrid HDD

Battery charging time ~120 min

Battery notes Battery life tested using Bapco® MobileMark2007 Productivity Workload and Windows 7 operating system, and may include audio muted. Battery life will vary depending on the product configuration, product model, applications 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

Dimensions / Weight / Environmental

Dimensions (W x D x H) 13.1 x 9.2 x 0.75 inch (332.6 x 234.0 x 19.0 mm)

Weight From 3.4 lbs. (1.55 kg) with non-touch display, from 3.75 lbs. (1.70 kg) with touch display

Weight notes Weight may vary depending on actual configuration

Operating ambient temperature 41-95° F (5 - 35 ° C)

Operating relative humidity 20 - 85 %

Compliance

MIL-STD-810G (Built tough) 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.

MIL-STD-810G Notes 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. Testing is currently underway to validate the achievement of these design objectives.

North America FCC ID; FCC Part 15C; FCC Part 15E; IC-ID RSS-210; UL-cUL Listed; CEC, ENERGY STAR Qualified, Qualifies for treatment as U.S. Trade Agreements Act ("TAA") compliant finished product

Global RoHS (Restriction of hazardous substances)
 WEEE (Waste electrical and electronic equipment)
 Microsoft® Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 6.0
 EPEAT® Gold (dedicated regions) (planned)

Compliance notes The above compliance items noted as "planned" are intended but not available at present.

Additional software

Additional software (preinstalled) Adobe® Reader® (pdf reader)
 McAfee® Multi Access Security (anti-virus and internet security software; 60 days trial version)
 Fujitsu Battery Utility
 Fujitsu Bonus Apps
 Fujitsu Display Manager
 Fujitsu Function Manager
 Fujitsu LIFEBOOK Application Panel
 Roxio Creator®
 ShockSensor Utility

Base Unit

Fujitsu recommends Windows.

	Microsoft Office (buy license to activate the pre-installed Microsoft Office)
	Windows 8: Fujitsu System Restore and Microsoft Push Button Recovery (hard disk based recovery)
Additional software (optional)	Drivers & Utilities DVD (DUDVD) Recovery DVD for Microsoft Windows® Workplace Protect

Manageability

Manageability technology	PXE 2.1 Boot code Wake up from S5 (off mode) Intel® vPro™ technology WoL (Wake on LAN) iAMT 10.0 (depending on CPU)
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Security

Physical security	Kensington Lock support
System and BIOS Security	Computrace® ready BIOS Advanced Theft Protection (Computrace only) Optional: Trusted platform module (TPM 1.2)
User Security	Access protection via internal Smart Card reader (optional) SystemLock BIOS Smart Card security Embedded palm vein sensor (optional) Embedded fingerprint sensor (optional) Hard disk password User and supervisor BIOS password Workplace Protect (secure authentication solution)

Warranty

Standard warranty	One Year International Limited Warranty, 24/7 technical support; Fujitsu extended service plans available
Warranty Terms & Conditions	http://solutions.us.fujitsu.com/www/content/support/mobile/warranty/warranty_terms.php

Maintenance and Support Services - the perfect extension

Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/us/support

Recommended Accessories

Port Replicator
Main Battery
Battery Toaster Charger
Additional AC Adapter
Memory 4 GB
Memory 8 GB
Carrying Case
Kensington Lock Cable

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Fujitsu OPTIMIZATION Services

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Computing Products

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Software

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More Information

Learn more about Fujitsu LIFEBOOK U745, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

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