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

Fujitsu recommends Windows.
## 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, 256 GB, 2.5-inch, OPAL capable
- SSD SATA III, 512 GB, 2.5-inch, OPAL capable
- SSD SATA III, 128 GB, 2.5-inch
- SSD SATA III, 256 GB, 2.5-inch
- SSD SATA III, 500 GB / 8 GB SSD Cache, 2.5-inch, S.M.A.R.T.
- HDD, 500 GB, 7200rpm, 2.5-inch
- HDD, 500 GB / 8 GB SSD Cache, 2.5-inch, S.M.A.R.T., OPAL capable
- HDD, 500 GB / 8 GB SSD Cache, 2.5-inch, S.M.A.R.T.

### 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/m²
- 14 inch (35.6 cm), LED backlight, (HD+), Anti-glare display, magnesium, 1,600 x 900 pixel, 400:1 , 250 cd/m²
## Base Unit

*Fujitsu recommends Windows.*

<table>
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<tr>
<th><strong>Base Unit</strong></th>
<th>LIFEBOOK U745 14.0-inch</th>
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<tr>
<td><strong>General System Information</strong></td>
<td></td>
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<tr>
<td><strong>Chipset</strong></td>
<td>Integrated</td>
</tr>
<tr>
<td><strong>Chipset notes</strong></td>
<td>Supports iAMT 10.0</td>
</tr>
<tr>
<td></td>
<td>Intel® vPro™ requires Core i5-53xx &amp; i7-56xx CPU, Intel® Dual Band Wireless-AC 7265 and TPM module</td>
</tr>
<tr>
<td><strong>Memory slots</strong></td>
<td>1 DIMM (DDR3L)</td>
</tr>
<tr>
<td><strong>Supported capacity RAM (max.)</strong></td>
<td>12 GB</td>
</tr>
<tr>
<td><strong>Memory notes</strong></td>
<td>DDR3L – 1,600 MHz</td>
</tr>
<tr>
<td></td>
<td>4 GB onboard, 1 DIMM slot with max. 8 GB DIMM is user-replaceable</td>
</tr>
<tr>
<td><strong>LAN</strong></td>
<td>Built-in 10/100/1,000 MBit/s Intel® 218LM</td>
</tr>
<tr>
<td><strong>BIOS features</strong></td>
<td>BIOS based on Phoenix SecureCore</td>
</tr>
<tr>
<td><strong>Audio type</strong></td>
<td>On board</td>
</tr>
<tr>
<td><strong>Audio codec</strong></td>
<td>Realtek ALC3233</td>
</tr>
<tr>
<td><strong>Audio features</strong></td>
<td>Stereo speakers</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Display notes</strong></td>
<td>Viewing angle: Left/Right 40°, Top 10°, Bottom 30°; 16 ms response time; Color Gammut: 45%</td>
</tr>
<tr>
<td><strong>Multimedia</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Camera</strong></td>
<td>Built-in webcam (HD) with Status LED</td>
</tr>
<tr>
<td><strong>Graphics</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Base Unit</strong></td>
<td>LIFEBOOK U745 14.0-inch</td>
</tr>
<tr>
<td><strong>TFT resolution (DisplayPort)</strong></td>
<td>up to 2,560 x 1,600</td>
</tr>
<tr>
<td><strong>TFT resolution (VGA)</strong></td>
<td>up to 1,920 x 1,200</td>
</tr>
<tr>
<td><strong>TFT resolution (DVI on Port Replicator)</strong></td>
<td>up to 1,920 x 1,200</td>
</tr>
<tr>
<td><strong>Graphics brand name</strong></td>
<td>Intel® HD Graphics 5500</td>
</tr>
<tr>
<td><strong>Graphics features</strong></td>
<td>3 Display Support</td>
</tr>
<tr>
<td><strong>Graphics notes</strong></td>
<td>Shared memory depending on main memory size and operating system</td>
</tr>
<tr>
<td><strong>Interfaces</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DC-in</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Audio: line-out / headphone</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Audio: line-in / microphone</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Internal microphones</strong></td>
<td>2x digital microphones (array)</td>
</tr>
<tr>
<td><strong>USB 3.0 total</strong></td>
<td>3 (1 with Anytime USB Charge functionality)</td>
</tr>
<tr>
<td><strong>VGA</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>DisplayPort</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Ethernet (RJ-45)</strong></td>
<td>1 (pull-out connector)</td>
</tr>
<tr>
<td><strong>Memory card slots</strong></td>
<td>1 (SD up to 2GB, SDHC up to 32GB, SDXC up to 128GB)</td>
</tr>
<tr>
<td><strong>Smart Card slot</strong></td>
<td>1 (optional)</td>
</tr>
<tr>
<td><strong>Port Replicator interfaces (optional)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DC-in</strong></td>
<td>1 (19V)</td>
</tr>
<tr>
<td><strong>Power on switch</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Audio: headphone</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Audio: microphone</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>USB 3.0 total</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>DisplayPort</strong></td>
<td>2 (up to 2560 x 1600) - 1 DP (next to DVI) is shared with DVI, works when DVI not connected</td>
</tr>
<tr>
<td><strong>VGA</strong></td>
<td>1 (up to 1920 x 1200)</td>
</tr>
<tr>
<td><strong>DVI</strong></td>
<td>1 (up to 1920 x 1200) - shared with DP (next to DVI) - works when DP (next to DVI) not connected</td>
</tr>
<tr>
<td><strong>Ethernet (RJ-45)</strong></td>
<td>1 (10/100/1000)</td>
</tr>
<tr>
<td><strong>Kensington Lock support</strong></td>
<td>1 (Portrep and System)</td>
</tr>
<tr>
<td><strong>eSATA</strong></td>
<td>1</td>
</tr>
</tbody>
</table>

**Keyboard and pointing devices**
- Black colored key caps for backlight keyboard (Anti-bacterial keyboard)
- Black colored key caps with red frame
Data Sheet  FUJITSU LIFEBOOK U745 Notebook

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

Fujitsu recommends Windows.
### 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)

<table>
<thead>
<tr>
<th>Additional software (optional)</th>
<th>Drivers &amp; Utilities DVD (DUDVD)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Recovery DVD for Microsoft Windows®</td>
</tr>
<tr>
<td></td>
<td>Workplace Protect</td>
</tr>
</tbody>
</table>

#### 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)

#### 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
About Fujitsu America

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For more information, please visit: http://solutions.us.fujitsu.com/ and http://twitter.com/fujitsuamerica

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Have a question? Email us at: AskFujitsu@us.fujitsu.com

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Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

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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