



# Data Sheet

## FUJITSU Notebook LIFEBOOK E546

Business Mainstream Desktop Replacement Notebook

### Fujitsu recommends Windows.

Enjoy reliability and powerful performance with FUJITSU Notebook LIFEBOOK® E546 with the latest technology enhancements. A comprehensive business feature-set with common port replicator and connectivity options provide the support you need to work with ease and efficiency on your notebook wherever your meeting room or workplace is situated. Choose a notebook with a 15.6-inch (39.6 cm) or 14.0-inch (35.6 cm) display and even reduce its weight with an interchangeable modular bay element.

#### Reliable and powerful performance

Technology enhancement offers advanced functionality

- Latest Intel® processors and DDR4 RAM boost performance empowering your productivity

#### Secure and solid protection

Smart security and resistant design

- Integrated fingerprint sensor, SmartCard reader, TPM, among other security options protect your data, while its solid housing and spill-resistant keyboard protect your notebook

#### Family concept continuity

Reduce complexity and drive down evaluation and deployment costs

- BIOS and mainboard for one bit image, components, modular bay elements, accessories and port replicator are shared across the LIFEBOOK E5 Series. Unique to Fujitsu, one port replicator benefits 8 devices across the LIFEBOOK line: Ultrabook™, notebooks, 2 in 1, and mobile workstation and is compatible with the predecessor

#### High-capacity battery pack

Long lasting performance for extra working hours

- Take advantage of the high-capacity battery pack to support efficient working in business environments

#### The choice is yours

Two form factors, one design

- Choose a 14.0-inch (35.6 cm) or 15.6-inch (39.6 cm) HD or Full HD anti-glare display and enjoy the same great functionality



# Components

Fujitsu recommends Windows.

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Base unit</b>                                    | LIFEBOOK E546                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Operating systems</b>                            | Windows® 10 Pro 64-bit<br>Windows 7 Professional 64-bit                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Processor</b>                                    | Intel® Core™ i7-6600U processor (2.6 GHz, up to 3.4 GHz, 4 MB) / vPro<br>Intel® Core™ i7-6500U processor (2.5 GHz, up to 3.1 GHz, 4 MB) / non vPro<br>Intel® Core™ i5-6300U processor (2.4 GHz, up to 3.0 GHz, 3 MB) / vPro<br>Intel® Core™ i5-6200U processor (2.3 GHz, up to 2.8 GHz, 3 MB) / non vPro<br>Intel® Core™ i3-6100U processor (2.3 GHz, 3 MB) / non vPro<br>Intel® Celeron® Processor 3855U (1.6 GHz, 2 MB) / non vPro for Shape the Future Program only                       |
| <b>Memory modules</b>                               | 4 GB (1 module(s) 4 GB) DDR4, 2,133 MHz, SO DIMM<br>8 GB (1 module(s) 8 GB) DDR4, 2,133 MHz, SO DIMM<br>16 GB (1 module(s) 16 GB) DDR4, 2,133 MHz, SO DIMM                                                                                                                                                                                                                                                                                                                                   |
| <b>Hard disk drives (internal)<sup>1</sup></b>      | 320 GB (5400 rpm) hard drive - TCG Opal Compliant Self-encrypted Drive (SED)<br>500 GB (5400 rpm) hard drive<br>500 GB (5400 rpm) Hybrid hard drive with 8GB Cache<br>128 GB Solid State Drive<br>256 GB Solid State Drive                                                                                                                                                                                                                                                                   |
| <b>Hard disk notes</b>                              | 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). Please note, due to OS and memory requirements, specific system configurations of Windows® 7 Professional 64-bit operating system pre-installed, with 32 GB system memory, and 128 GB SSD will have up to about 20 GB free space available. All hard disk drives utilize an internal shock sensor to protect your data. |
| <b>Modular bay options</b>                          | 2nd hard disk drive<br>SuperMulti-format DVD burner (with double layer support)<br>Weight saver                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Interface add on cards/components (optional)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>WLAN (optional)<sup>2</sup></b>                  | Intel® Dual Band Wireless-AC 8260 2x2 ac/a/b/g/n with integrated Bluetooth®                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Display</b>                                      | 14-inch (35.6 cm), LED backlight,(HD), Anti-glare display, compound,1,366 x 768 pixel, 200cd/m <sup>2</sup><br>14-inch (35.6 cm), LED backlight,(Full HD), Anti-glare IPS display, compound,1,920 x 1,080 pixel, 300cd/m <sup>2</sup>                                                                                                                                                                                                                                                        |
| <b>Multimedia</b>                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Camera</b>                                       | Built-in webcam, HD (Microsoft® Lync™)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

# Base Unit

Fujitsu recommends Windows.

|                                              |                                                                                                                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base unit                                    | LIFEBOOK E546                                                                                                                                                               |
| <b>General system information</b>            |                                                                                                                                                                             |
| Chipset                                      | Integrated                                                                                                                                                                  |
| Chipset Notes                                | Intel® vPro™ requires Intel® Core™ i5-7300U/i7-6600U CPU, Intel® Dual Band Wireless-AC 8260, and TPM module                                                                 |
| Supported capacity RAM (max.)                | Up to 32 GB total                                                                                                                                                           |
| Memory slots                                 | 2 DIMM (DDR4) supporting dual-channel memory                                                                                                                                |
| Memory notes                                 | DDR4 - 2133 MHz                                                                                                                                                             |
| LAN                                          | 10/100/1,000 MBit/s Intel® I219V                                                                                                                                            |
| BIOS features                                | InsydeH2O Bios                                                                                                                                                              |
| Audio type                                   | On board                                                                                                                                                                    |
| Audio codec                                  | Realtek ALC255                                                                                                                                                              |
| Audio features                               | Stereo speakers                                                                                                                                                             |
| <b>Display</b>                               |                                                                                                                                                                             |
| Display notes                                | HD - Viewing angle: Left/Right 40°, Top 10°, Bottom 30°; Color Gamut: 45%; 200cd/m²<br>FHD - Viewing angle: Left/Right 80°, Top 80°, Bottom 80°; Color Gamut: 45%; 300cd/m² |
| <b>Graphics</b>                              |                                                                                                                                                                             |
| Base unit                                    | LIFEBOOK E546                                                                                                                                                               |
| TFT resolution (DisplayPort)                 | up to 4,096 × 2,160                                                                                                                                                         |
| TFT resolution (VGA)                         | up to 1,920 × 1,200                                                                                                                                                         |
| TFT resolution (DVI on Port Replicator)      | up to 1,920 × 1,200                                                                                                                                                         |
| Graphics brand name                          | Intel® HD Graphics 520 with Intel® Core™ Processors<br>Intel® HD Graphics 510 with Intel® Celeron® Processor                                                                |
| Graphics features                            | 3 Display Support (2 external, 1 internal)                                                                                                                                  |
| Graphics notes                               | Shared memory depending on main memory size and operating system                                                                                                            |
| <b>Interfaces</b>                            |                                                                                                                                                                             |
| DC-in                                        | 1                                                                                                                                                                           |
| Audio: line-out / headphone                  | 1                                                                                                                                                                           |
| Audio: line-in / microphone                  | 1                                                                                                                                                                           |
| Internal microphones                         | 2x digital microphones (array)                                                                                                                                              |
| USB 3.0 total <sup>2</sup>                   | 3 (1 with Anytime USB Charge functionality)                                                                                                                                 |
| VGA                                          | 1                                                                                                                                                                           |
| DisplayPort                                  | 1                                                                                                                                                                           |
| Ethernet (RJ-45)                             | 1                                                                                                                                                                           |
| Memory card slots                            | 1 (SD up to 2GB, SDHC up to 32GB, SDXC up to 128GB)                                                                                                                         |
| SmartCard slot                               | 1 (optional)                                                                                                                                                                |
| <b>Port Replicator interfaces (optional)</b> |                                                                                                                                                                             |
| DC-in                                        | 1 (19V)                                                                                                                                                                     |
| Power on switch                              | 1                                                                                                                                                                           |
| Audio: headphone                             | 1                                                                                                                                                                           |
| Audio: microphone                            | 1                                                                                                                                                                           |
| USB 3.0 total                                | 4                                                                                                                                                                           |
| DisplayPort                                  | 2 - 1 DP (next to DVI) is shared with DVI, works when DVI not connected                                                                                                     |
| VGA                                          | 1                                                                                                                                                                           |
| DVI                                          | 1 - 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 (1x port replicator)                                                                                                                                                      |
| eSATA                                        | 1                                                                                                                                                                           |

# Base Unit

## Fujitsu recommends Windows.

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Keyboard and pointing devices</b>       | Spill-resistant isolation keyboard<br>Number of keyboard keys: 85, Keyboard pitch: 19.0 mm, Keyboard stroke: 1.7 mm<br>Touchpad with two mouse buttons<br>Application buttons<br>Power Button                                                                                                                                                                                                                                                                             |
| <b>Wireless technologies</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Antennas</b>                            | 2 dual band WLAN antennas                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Bluetooth</b>                           | Bluetooth® v4.0 with Windows® 7; Bluetooth® v4.1 with Windows 10                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>WLAN encryption</b>                     | WEP, WPA, WPA2                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>WLAN notes</b>                          | Import and usage according to country-specific regulations.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>WiDi support</b>                        | Yes (with Intel® W-LAN)                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Power supply</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AC Adapter</b>                          | 19 V / 65 W (3.42 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) slim and light AC-Adapter<br>19 V / 80 W (4.22 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) AC Adapter<br>19 V / 90 W (4.74 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) AC-Adapter                                                                                                                                                                                                      |
| <b>Notes</b>                               | 65W AC Adapter for usage with system/ 80 & 90W AC Adapter for usage with Port Replicator                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>1st battery options</b>                 | Main Li-Ion battery 6-cell, 5,800 mAh, 63 Wh<br>High Capacity Li-Ion battery 6-cell, 6,700 mAh, 72 Wh                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Runtime main battery</b>                | Up to 12 hours, 30 minutes with HD Display, SSD                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Runtime high capacity battery</b>       | Up to 13 hours with HD Display, SSD                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Battery charging time<sup>3</sup></b>   | ~150 min (63Wh) ~ 180 min (72Wh)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Dimensions / Weight / Environmental</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Dimensions (W x D x H)</b>              | 13.3 in. x 9.1 in. x 1.0 in / 1.2 in. (338 x 231 x 25.1 / 31.4 mm)                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Weight</b>                              | 4.2 lbs. (1.9 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Weight notes</b>                        | Incl. weight saver. Weight may vary depending on actual configuration.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Operating ambient temperature</b>       | 41 - 95° F (5 - 35° C)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Operating relative humidity</b>         | 20 - 80 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Compliance</b>                          | FCC Part 15B Class B and FCC Part 15C; FCC Part 15E; FCC Part 22/24/27; IC ICES-003 Class B and RSS-210; UL-cUL Listed; CE Marking; CB Generic Report, RF Human exposure Standard; EPEAT Gold and ENERGY Star® Qualified (depending on your configuration); Qualifies for treatment as U.S. Trade Agreements Act ("TAA") compliant finished product.                                                                                                                      |
| <b>Additional Software</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Additional software (preinstalled)</b>  | Win7: Adobe Acrobat Reader®<br>McAfee® Internet Security and Antivirus Software (60 days trial version)<br>Fujitsu LIFEBOOK Application Panel<br>Fujitsu Anytime USB Charge Utility<br>Fujitsu Display Manager<br>Microsoft Office (buy license to activate the pre-installed Microsoft Office)<br>Power DVD<br>Roxio Creator<br>Win10: Microsoft Push Button Recovery (hard disk based recovery)<br>Win7: Fujitsu System Restore and Recovery (hard disk based recovery) |
| <b>Additional software (optional)</b>      | Fujitsu Workplace Protect<br>Drivers & Utilities DVD (DUDVD)<br>Recovery DVD for Windows®<br>DVD playback software<br>CyberLink YouCam (webcam software)<br>Win7: TPM Software                                                                                                                                                                                                                                                                                            |

# Base Unit

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## Manageability

|                          |                            |
|--------------------------|----------------------------|
| Manageability technology | PXE 2.1 Boot code          |
|                          | Wake up from S5 (off mode) |
|                          | WoL (Wake on LAN)          |
| Supported standards      | WMI                        |
|                          | PXE                        |

## Security

|                          |                                                            |
|--------------------------|------------------------------------------------------------|
| Physical Security        | Kensington Lock support (1x system)                        |
| System and BIOS Security | Computrace® ready BIOS                                     |
|                          | Advanced Theft Protection (Computrace only)                |
|                          | Optional: Trusted Platform Module (TPM v1.2 or v2.0)       |
| User Security            | Access protection via internal SmartCard reader (optional) |
|                          | SystemLock BIOS                                            |
|                          | SmartCard security                                         |
|                          | Embedded fingerprint sensor (optional)                     |
|                          | Hard disk password                                         |
|                          | User and supervisor BIOS password                          |
|                          | Workplace Protect (secure authentication solution)         |

## Warranty\*

|                   |                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------|
| Standard Warranty | One Year Fujitsu Standard International Limited Warranty, 24/7 technical support; Fujitsu extended service plans available |
|-------------------|----------------------------------------------------------------------------------------------------------------------------|

|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| Service Weblink | <a href="http://www.fujitsu.com/us/support/">http://www.fujitsu.com/us/support/</a> |
|-----------------|-------------------------------------------------------------------------------------|

|                         |                                           |
|-------------------------|-------------------------------------------|
| Recommended Accessories | Port Replicator                           |
|                         | High Capacity Battery                     |
|                         | AC Adapter                                |
|                         | Kenneth Cole Reaction Expandable Backpack |
|                         | Modular Hard Drive Kit + 2nd Hard Drive   |
|                         | Notebook Mouse                            |

## Notes

1. One gigabyte (GB) = one billion bytes; accessible capacity will be less and actual capacity depends on the operating environment and formatting.
2. Some USB devices (e.g. mobile telephones) require a driver in order to utilize the USB charging function. In this case, the USB charging function will not work when the notebook is switched off, as no drivers are active when the notebook is switched off.
3. Battery life tested using Bapco® MobileMark 2014 Office Productivity Workload 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, 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.
4. Service and warranty turnaround time may vary by country and product. The International warranty is only valid for products purchased in North, Central, and South America.

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## Fujitsu OPTIMIZATION Services

In addition to Fujitsu NOTEBOOK E546, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

## Fujitsu Portfolio

Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

## Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

## Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More Information

Learn more about FUJITSU Notebook LIFEBOOK E546, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <http://solutions.us.fujitsu.com/>

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## Fujitsu green policy innovation

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