# FUJITSU

Fujitsu recommends Windows 10 Pro for business.

# Data Sheet
## FUJITSU Notebook LIFEBOOK E5510

## Your Powerful and Modern Business Device

The FUJITSU Notebook LIFEBOOK E5510 is exclusively designed for office workers needing a powerful, fully-equipped notebook. Thanks to the 10th generation Intel® Core™ processor you can work efficiently wherever you are. The advanced security features like PalmSecure™ are protecting your business data against unauthorized access. Modern Standby provides you an instantly ready and always connected notebook.

### Modern and robust design
Reliable mobility, ease of use and modern good looks for everyday business demands
- Slim 23.9 mm entry notebook starting at 2.04 kg with a solid design
- Enjoy an ergonomic viewing experience with a 15.6-inch anti-glare HD or FHD display
- Durability is Military Standard MIL-STD-810H tested

### Reliable and secure performance
Protect your business data from unauthorized access at all times
- Integrated PalmSecure™ or finger print sensor
- Infrared Camera: Allows face recognition with Windows Hello
- Built-in Privacy Camera Shutter: Protecting your privacy
- SmartCard reader and TPM 2.0

### Best in class connectivity
Be flexible and stay productive anywhere, anytime
- Full set of ports with a full-sized HDMI, VGA and LAN connector and USB Type-C
- Based on the latest QuadCore Intel processor, enabling data to be processed faster

### Convenient serviceability and upgradeability
Easy access to key components reduces upgrade time and costs
- Battery, memory, internal storage and connectivity components (LTE & WLAN) can be changed with ease

### Shared port replicator concept
Protect your investments and be ready for shared desk concepts
- Shared family port replicator with the LIFEBOOK U7 family ensures ultimate flexibility and workplace sharing

# Components

| Base unit | LIFEBOOK E5510 |
|---|---|
| **Operating systems** | |
| Operating system pre-installed | Windows 10 Pro |
| Operating system notes | Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Window 10 releases for a period of maximum 5 years – depending on the available extension of hardware services through FUJITSU Warranty top ups. For details please see "FUJITSU Service Statement for Windows 10 Semi-Annual-Channel Support" at http://support.ts.fujitsu.com. |
| **Processor** | Intel® Core™ i7-10610U processor (4 Cores / 8 Threads, 1.8 GHz, up to 4.9 GHz) |
| | Intel® Core™ i7-10510U processor (4 Cores / 8 Threads, 1.8 GHz, up to 4.9 GHz) * |
| | Intel® Core™ i5-10310U processor (4 Cores / 8 Threads, 1.7 GHz, up to 4.4 GHz) |
| | Intel® Core™ i5-10210U processor (4 Cores / 8 Threads, 1.6 GHz, up to 4.2 GHz) * |
| | Intel® Core™ i3-10110U processor (2 Cores / 4 Threads, 2.1 GHz, up to 4.1 GHz) * |
| | *Processor only for retail, SMB, education and government |
| **Memory modules** | 4 GB (1 module(s) 4 GB) DDR4, 2,666 MT/s, SO DIMM |
| | 8 GB (1 module(s) 8 GB) DDR4, 2,666 MT/s, SO DIMM |
| | 16 GB (1 module(s) 16 GB) DDR4, 2,666 MT/s, SO DIMM |
| | 32 GB (1 module(s) 32 GB) DDR4, 2,666 MT/s, SO DIMM |
| **Hard disk drives (internal)** | PCIe-SSD, 512 GB M.2 NVMe module, SED |
| | PCIe-SSD, 256 GB M.2 NVMe module, SED |
| | PCIe-SSD, 256 GB M.2 NVMe module |
| | PCIe-SSD, 1 TB M.2 NVMe module, SED |
| | HDD SATA III, 5,400 rpm, 500 GB, 2.5-inch, S.M.A.R.T. |
| Hard disk notes | Accessible capacity may vary, also depending on used software. |
| **Interface add on cards/components (optional)** | |
| 3G/4G (optional) | LTE Sierra Wireless EM7455 (Cat.6) (Downlink speed up to 300 Mbit/s, Uplink speed up to 50 Mbit/s) |
| | LTE Sierra Wireless EM7421 (Cat.7) (Downlink speed up to 300 Mbit/s, Uplink speed up to 150 Mbit/s) |
| **Display** | 39.6 cm (15.6-inch),LED backlight,(HD),Anti-glare display,compound,1,366 x 768 pixel,500:1,220 cd/m² |
| | 39.6 cm (15.6-inch),LED backlight,(Full HD),Anti-glare IPS display,compound,1,920 x 1,080 pixel,700:1,250 cd/m² |
| **Multimedia** | |
| Camera | Built-in webcam (HD) with Status LED      Built-in Infrared webcam (HD) with Status LED |
| Camera notes | 720p, 1 megapixels, 1280 x 720, with Privacy Camera Shutter |
| Microphone | dual digital array microphone |

# Base unit

| Base unit | LIFEBOOK E5510 |
|---|---|
| **General system information** | |
| Chipset | Integrated |
| Supported capacity RAM (min.) | 4 GB |
| Supported capacity RAM (max.) | 64 GB |
| Memory slots | 2 SO DIMM (DDR4, 2666 MHz) |

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## General system information

| | |
|---|---|
| Memory notes | Dual channel support |
| LAN | 10/100/1,000 MBit/s Intel® I219LM |
| Integrated WLAN | Intel WiFi 6 AX201 |
| BIOS version | UEFI Specification 2.7 |
| BIOS features | InsydeH2O BIOS |
| Audio type | On board |
| Audio codec | Realtek ALC255 with MaxxAudio |
| Audio features | 2x built-in speakers (stereo) |
| MIL-STD tested | Yes, selected MIL-STD-810H tests passed. |
| | MIL-STD-810H test results are not a guarantee of future performance under identified test conditions. |
| | Accidental damage is not covered under standard international limited warranty. |

## Display

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|---|---|
| Display notes | FHD - Viewing angle: Left/Right 80°, Top 80°, Bottom 80°; Color Gamut: 45%, response time 25 ms |
| Brightness - typical | FHD 250 cd/m² |
| Contrast - typical | FHD - 700:1 |
| Base unit | LIFEBOOK E5510 |
| TFT resolution (DisplayPort) | up to 4,096 x 2,160 |
| TFT resolution (HDMI) | up to 4,096 x 2,160 |
| TFT resolution (VGA) | up to 1,920 x 1,200 |
| Graphics brand name | Intel® UHD Graphics |
| Graphics features | 3 Display Support |
| | DirectX® 12 |
| | OpenGL® 4.5 |
| Graphics notes | Shared memory depending on main memory size and operating system |

## Interfaces

| | |
|---|---|
| DC-in | 1 |
| Audio: line-out / headphone | 1 (combo port with Audio line-in) |
| Audio: line-in / microphone | 1 (combo port with Audio line-out) |
| Internal microphones | 2x digital array microphones (optional) |
| USB 3.2 Gen 1 (5 Gbps) total | 2x Type-A (1 with Anytime USB charge functionality) |
| USB 3.2 Gen 2 (10 Gbps) total | 1x Type-C (with Power Delivery functionality) |
| USB Type-C | Alternate Mode (Display-Port Tunnel & Power Delivery) |
| VGA | 1 |
| DisplayPort | 1 v1.2 (cannot be used together with HDMI) |
| HDMI | 1 v1.4 (cannot be used together with DisplayPort) |
| Ethernet (RJ-45) | 1 (with status LED) |
| Memory card slots | 1 SD 3.0 Standard |
| | SD/microSD card: 2GB |
| | SDHC/microSDHC card: 32GB |
| | SDXC/microSDXC card: 2TB |
| | Speed Class: up to UHS-I (104MB/s) |
| SmartCard slot | 1 (optional) |
| SIM card slot | 1 (Micro-SIM, only for models with integrated 4G/LTE module) |
| Docking connector for Port Replicator | 1 |
| Kensington Lock support | 1 |

## Port Replicator interfaces (optional)

| | Model: NPR46 (mech. PR) | Model: USB Type-C PR |
|---|---|---|
| DC-in | 1 (19V/90W required) | 1 (19V/90W required) |
| Power on switch | 1 | 1 |
| Audio: headphone | 1 | --- |
| Audio: microphone | 1 | --- |

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## Port Replicator interfaces (optional)

| | | |
|---|---|---|
| Audio: comments | --- | 1 Combo jack for headset usage |
| USB 3.2 Gen 1 (5 Gbps) total | 4x Type-A<br>2x Type-C | 3x Type-A - 4,5W<br>1x Type-C - 15W<br>1x Type-C - Up to 60 W (PD v2.0-1.1) power output to client or 4.5W input |
| DisplayPort | 2 (up to 2x 3840x2160 60Hz) | 1 (up to 2560 x 1600) |
| VGA | 1 (up to 1920x1200 6Hz) | 1 (up to 1920×1200 @ 60Hz  depending on FJ mobile client) |
| DVI | 1 (up to 1920x1200 60Hz) | --- |
| HDMI text | --- | 1 |
| Kensington Lock support | 1 (Portrep only, Portrep option with key lock to secure Portrep & System) | no |
| Notes | 1 RJ45 (10/100/1000) | 1 RJ45 (10/100/1000)<br>WoL from S3 state<br>WOL from S4 / S5 / G3 depending on Fujitsu mobile client<br>Launch of PXE for dedicated FJ mobile clients C<br>Set the MAC address by the user<br>MAPT from 9th gen |

## Keyboard and pointing devices

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|---|---|
| | Keyboard w/o touchstick (spill-resistant), Keyboard w/ touchstick, Backlight keyboard w/o touchstick |
| | Number of keyboard keys: 106, Keyboard pitch: 18.4 mm, Keyboard stroke: 1.7 mm |
| | Multi gesture touchpad with two mouse buttons<br>Status LED<br>Power Button |

## Wireless technologies

| | |
|---|---|
| Antennas | 2 Dual band WLAN antennas, 2 LTE antennas optional |
| Bluetooth | v5.0 |
| Integrated WLAN | Intel WiFi 6 AX201 |
| WLAN encryption | WPA/WPA2 (Wi-Fi Protected Access) |
| WLAN notes | Import and usage according to country-specific regulations. |
| Integrated LTE or UMTS | LTE Sierra Wireless EM7455 (cat.6)<br>LTE Sierra Wireless EM7421 (cat.7) |
| GPS | Embedded in 4G module if configured with WWAN |

## Power supply

| | |
|---|---|
| AC Adapter | 19 V / 90 W (4.74 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) AC-Adapter |
| | 19 V / 65 W (3.42 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) standard 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/ 90W AC Adapter for usage with Port Replicator |
| 1st battery options | 3,490 mAh, 50 Wh |
| 1st battery | Lithium polymer battery 4-cell, 50 Wh |
| Battery features | Quick Charge: 80% in 1h |
| Runtime 1st battery | up to 9 h 50 min |
| Battery notes | Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2018. Refer to www.bapco.com for additional details.<br>The BAPCo® MobileMark® Benchmark provides results that enable direct product comparisons between manufacturers. It does not guarantee any specific battery runtime which actually can be lower and may vary depending on product model, configuration, application and power management settings. The battery capacity decreases slightly with every re-charge and over its lifetime. |

## Noise emission

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|---|---|
| Noise emission | Please refer to the Eco Declaration |

## Dimensions / Weight / Environmental

| | |
|---|---|
| Dimensions (W x D x H) | 379 x 256 x 23.9 mm |
| | 14.92 x 10.08 x 0.94 inch |

## Dimensions / Weight / Environmental

| | |
|---|---|
| Weight | from 2.04 kg |
| Weight (lbs) | from 4.49 lbs |
| Weight notes | Weight may vary depending on actual configuration |
| Operating ambient temperature | 5 - 35 °C (41 - 95 °F) |
| Operating relative humidity | 20 - 80 % |

## Compliance

| | |
|---|---|
| Product | LIFEBOOK E5510 |
| Model | 5E15A1 |
| Germany | GS (Full HD Display only) |
| Europe | CE<br>CB |
| USA/Canada | FCC (depending on configuration) (planned) |
| Global | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronic equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>TCO Certified 8.0 (depending on configuration)<br>EPEAT® Bronze (dedicated regions)<br>ENERGY STAR® 8.0<br>MIL-STD-810H tested |
| China | CCC (depending on configuration) |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates |

## Additional Software

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|---|---|
| Additional software (preinstalled) | McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed)<br>Waves MaxxAudio (audio enhancer)<br>Fujitsu Plugfree Network (network management utility)<br>Fujitsu Anytime USB Charge Utility<br>Fujitsu Battery Utility<br>Fujitsu Function Manager<br>Fujitsu DeskUpdate (driver and utility tool) |
| Additional software (optional) | Recovery DVD for Windows®<br>Drivers & Utilities DVD (DUDVD)<br>CyberLink YouCam (webcam software)<br>Microsoft® Office Professional 2019<br>Microsoft® Office Home and Business 2019<br>(A Microsoft Account is required to activate each copy of these products. For purchase and activation only in the region in which it was acquired.) |

## Manageability

| | |
|---|---|
| Manageability technology | DeskUpdate Driver management<br>PXE 2.1 Boot code<br>Wake up from S5 (off mode)<br>WoL (Wake on LAN)<br>Intel® vPro™ technology |
| Manageability software | DeskView Client<br>DeskView Instant BIOS Management |
| DeskView components | Inventory Management<br>BIOS Management<br>Driver Management<br>Security Management<br>Alarm Management |
| Supported standards | WMI (Windows Management Instrumentation)<br>PXE (Preboot Execution Environment)<br>DMI (Desktop Management Interface)<br>SMBIOS (System Management BIOS)<br>CIM (Common Information Model)<br>BootP (made4you) |
| Manageability link | http://www.fujitsu.com/fts/manageability |

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## Security

| System and BIOS Security | EraseDisk<br>Trusted Platform Module (TPM 2.0) |
|---|---|
| User Security | Embedded PalmSecure™ sensor (optional)<br>Embedded fingerprint sensor (optional)<br>Access protection via internal SmartCard reader (optional)<br>Hard disk password<br>User and supervisor BIOS password |

## Warranty

| Warranty period | 1 year (for countries in EMEIA) |
|---|---|
| Warranty type | Bring-in Service / Collect & Return Service (depending on country) |
| Warranty Terms & Conditions | http://www.fujitsu.com/warranty |

### Product Support Services - the perfect extension

| Recommended Service | 9x5, Onsite Response Time: Next Business Day |
|---|---|
| Spare Parts availability | 5 years after end of product life |
| Service Weblink | http://www.fujitsu.com/emeia/products/product-support-services/ |

# Recommended Accessories

| Port Replicator for LIFEBOOK U7 and E5 family with key lock | Flexibility, expandability, desktop replacement, investment protection – to name just a few benefits of Fujitsu's docking options. | Order Code:<br>S26391-F1607-L219 |
|---|---|---|
| USB Type-C Port Replicator 2 | Connect to your peripherals. Adapt to the task on demand. The universal USB Type-C connection helps you to get your peripheral devices connected easily. Enhance your USB connection options, connect your displays via HDMI, DisplayPort or VGA and charge your device without an additional charger. | Order Code:<br>S26391-F3327-L100 |
| USB Port Replicator PR09 | The new FUJITSU USB Port Replicator PR09 is the perfect solution for shared desk environments within a hyperconnected world. It connects your mobile system to your main peripherals with a single USB plug. This Port Replicator is equipped with the most powerful DisplayLink chipset supporting high performance video streaming with Dualhead-DisplayPort.<br>Highest data throughput is guaranteed due to an USB Type-C based Gen2 Hub-Controller enabling up to 10Gbit/s data streaming. The newest version of USB Power Delivery chipset (PD3.0) provides powerful charging during your workday. | Order Code:<br>S26391-F6007-L500 |
| Battery 4 cell 50 Wh | The 4 cell 50 Wh battery requires a voltage of 14.4 V and has a capacity of 3490 mAh. The weight of the battery is 300 gms and the recharge time of the cell is 60 minutes for a 80% charge and 150 minutes for a complete 100% charge. | Order Code:<br>S26391-F1616-L100 |
| Privacy Filters | To use privacy filters is a must in times of increased safety requirements. Fujitsu's Privacy Filters block unauthorized views on your screen while you are sitting in an external meeting or working in a train. The front view remains clear for the user's eyes only. The filters are easy to attach and what's more: They also protect your screen from small scratches and damages. | Order Code:<br>S26391-F6098-L215 |

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# More information

### Fujitsu products, solutions & services

In addition to FUJITSU LIFEBOOK E5510, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Build 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/products/computing/

### Software

www.fujitsu.com/software/

### More information

Learn more about FUJITSU Notebook LIFEBOOK E5510, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/emeia/products/computing/pc/notebooks/index.html

### Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at http://www.fujitsu.com/global/about/environment

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