**FUJITSU**
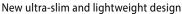
Fujitsu recommends Windows 11 Pro.

# Data Sheet
## Fujitsu Notebook LIFEBOOK E5512

The Fujitsu LIFEBOOK E5512 is designed for office workers needing a powerful and fully equipped notebook. Thanks to the 12th generation Intel® Core™ processor you can work efficiently wherever you are. Advanced security features like PalmSecure™ are protecting your business data against unauthorized access. Modern Standby provides you an instantly ready and always connected notebook.

New ultra-slim and lightweight design
Reliable mobility, ease of use and modern good looks for everyday business demands
- New ultra-slim 20.1 mm entry notebook starting at 1.65 kg with magnesium LCD lid
- Enjoy an ergonomic viewing experience with a 15.6-inch outdoor friendly anti-glare HD or FHD display with touch option

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
- Intel® Iris® Xe Graphics
- Built-in Privacy Camera Shutter: Protecting your privacy
- SmartCard reader

Best in class connectivity
Be flexible and stay productive anywhere, anytime
- Compact and versatile Intel® Thunderbolt™ 4 USB Type-C connector to charge your laptop, transfer files at fast speeds, connect external monitors and other peripherals
- Full set of ports with a full-sized HDMI and LAN connector and USB Type-C
- Based on the latest 12th Gen Intel® Core™ processors, 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 can be changed with ease

Long-term stable platform
Protect your investments and be ready for shared desk concepts
- This LIFEBOOK E5 Series provides an extraordinary guaranteed product lifecycle of 24 months.

intel vPRO i7   intel iRISxe GRAPHICS   HDMI   TCO CERTIFIED   epeat GOLD

# Components

| | |
|---|---|
| Base unit | LIFEBOOK E5512 |
| **Operating systems** | |
| Operating system pre-installed | Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business.<br>Windows 11 Home<br>Windows 10 Pro. Fujitsu recommends Windows 11 Pro for business. |
| Microsoft OS support information | Windows 11 requires for first device setup:<br>- Internet connectivity<br>- Microsoft account for Home editions or organizational account (e.g. ADD) for Pro editions<br>After product end of life, Fujitsu continues to test and support new Windows releases for max. 5 years, depending on extension of hardware services through warranty top ups.<br>For more details please visit our Fujitsu Service Statement under https://support.ts.fujitsu.com/IndexProdSupport.asp?lng=com&OpenTab= |
| Operating system notes | The use of Windows Operating System is subject to acceptance of the End User License Agreement of Microsoft as applicable under the relevant Microsoft program. |
| **Processor** | Intel® Core™ i7-1265U processor (10C, up to 4.8 GHz) ** |
| | Intel® Core™ i7-1255U processor (10C, up to 4.7 GHz) *, *** |
| | Intel® Core™ i5-1245U processor (10C, up to 4.4 GHz) ** |
| | Intel® Core™ i5-1235U processor (10C, up to 4.4 GHz) *, *** |
| | Intel® Core™ i3-1215U processor (6C, up to 4.4 GHz) * |
| | Intel® Celeron® processor 7305 (5C, 1.1 GHz) * |
| | *   Processor only for retail, SMB, education and government<br>**  Processor supports Intel® vPro® Enterprise<br>***Processor supports Intel® vPro® Essential |
| **Memory modules** | 4 GB (1 module(s) 4 GB) DDR4, 3,200 MT/s, SO DIMM |
| | 8 GB (1 module(s) 8 GB) DDR4, 3,200 MT/s, SO DIMM |
| | 16 GB (1 module(s) 16 GB) DDR4, 3,200 MT/s, SO DIMM |
| | 32 GB (1 module(s) 32 GB) DDR4, 3,200 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, 2 TB M.2 NVMe module, SED |
| | PCIe-SSD, 1 TB M.2 NVMe module, SED |
| Hard disk notes | Accessible capacity may vary, also depending on used software. |
| **Interface add on cards/components (optional)** | |
| 4G/ LTE (optional) | Quectel EM120R-GL (4G Cat.12) (Downlink speed 600 MB/s, Uplink speed 150 MB/s) |
| | LTE Sierra Wireless EM7421B (Cat.7) (Downlink speed up to 300 Mbit/s, Uplink speed up to 150 Mbit/s) |
| **Display** | 39.6 cm (15.6-inch), IPS, FHD, 1,920 x 1,080 pixel, Anti-glare multi-touch, 250 cd/m² (Touch), 700:1 (Touch) |
| | 39.6 cm (15.6-inch), HD, 1,366 x 768 pixel, Anti-glare display, 220 cd/m² (HD), 500:1 (HD) |
| | 39.6 cm (15.6-inch), FHD, 1,920 x 1,080 pixel, Anti-glare IPS display, 250 cd/m² (FHD), 700:1 (FHD) |
| **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 E5512 |
|---|---|

### General system information

| | |
|---|---|
| Chipset | Integrated in CPU |
| Supported capacity RAM (min.) | 4 GB |
| Supported capacity RAM (max.) | 64 GB |
| Memory slots | 2 SO DIMM (DDR4, 3200 MHz) |
| Memory notes | Dual channel support |
| LAN | 10/100/1,000 MBit/s Intel® I219LM |
| Integrated WLAN | Intel WiFi 6E AX211 - WLAN, BT, SRD cat. 2 |
| BIOS version | UEFI Specification 2.8 |
| BIOS features | InsydeH2O BIOS |
| Audio type | On board |
| Audio codec | Realtek ALC257 |
| Audio features | 2x built-in speakers (2 W each), Stereo audio |
| 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. |

### Graphics

| | |
|---|---|
| Base unit | LIFEBOOK E5512 |
| Graphics brand name | Intel® UHD Graphics (with Single channel memory), Intel® Iris® Xe Graphics (with Dual channel memory) |
| Graphics notes | Shared memory depending on main memory size and operating system |

### Interfaces

| | |
|---|---|
| Audio: line-in / line-out | 1 |
| Internal microphones | 2x digital array microphones (optional) |
| USB 3.2 Gen1 (5 Gbps) total | 3x Type-A   (1 with Anytime USB charge functionality) |
| Thunderbolt™ 4 total | 2x Type-C with USB4 (40 Gbps, Power Delivery (15W), DP 1.4 out) |
| HDMI | 1  - Supports 4k@60Hz as specified in HDMI 2.0b |
| Ethernet (RJ-45) | 1 (with status LED) |
| Memory card slots | 1 microSD 3.0 Standard microSD card microSDHC card microSDXC card Speed Class: up to UHS-I |
| SmartCard slot | 1 (optional) |
| SIM card slot | 1 (Nano-SIM, only for models with configuration WWAN ready or with 4G LTE modules) |
| eSIM card | eSIM integrated in 4G LTE module |
| Docking connector for Port Replicator | 1 - PR Model: NPR50 |
| Kensington Lock support | 1 - Recommendation: Kensington's Micro Security Saver |

### Port Replicator interfaces (optional)

| | USB Type-C PR | Thunderbolt™ 4 PR | Thunderbolt™ 4 PR | Mechanical PR Model: NPR50 |
|---|---|---|---|---|
| DC-in | 1 (19V/90W required) | 1 (20V/170W required) | 1 (20V/170W required) | 1 (19V/90W required) |
| Power on switch | 1 | 1 | 1 | 1 |
| Audio: line-in / line-out | 1 | 1 | 1 | 1 |
| Audio: comments | Combo jack for headset usage | Combo jack for headset usage | Combo jack for headset usage | Combo-Port |
| USB 3.2 Gen1 (5 Gbps) total | 3x Type-A - 5V/0.9A, 4.5W 1x Type-C - 15W | --- | --- | 4x Type-A 2x Type-C |
| USB 3.2 Gen2 (10 Gbps) total | --- | 2x Type-A - 5 V/0.9 A, 4.5 W 1x Type-A - 5 V/2.4 A, 12 W 2x Type-C - 5 V/1.5 A, 4.5 W charging port | 2x Type-A - 5 V/0.9 A, 4.5 W 1x Type-A - 5 V/2.4 A, 12 W 2x Type-C - 5 V/1.5 A, 4.5 W charging port | --- |

## Port Replicator interfaces (optional)

| | | | | |
|---|---|---|---|---|
| USB 4.0 Gen3 (20 Gbps) total | --- | 1x Type-C - TBT4 up to 60 W (PD v2.0-1.1), 5-20 V/3. 0A upstream (PC), Intel AMT support (vPRO) to client 1x Type-C - TBT4 up to 15 W (PD v2.0-1.1), 5 V/3.0 A downstream, power output to peripheral | 1x Type-C - TBT4 up to 60 W (PD v2.0-1.1), 5-20 V/3. 0A upstream (PC), Intel AMT support (vPRO) to client 1x Type-C - TBT4 up to 15 W (PD v2.0-1.1), 5 V/3.0 A downstream, power output to peripheral | --- |
| DisplayPort | 1x v1.2 | 2x v1.4++ | 2x v1.4++ | 2 (up to 2x 3840x2160 60Hz) |
| VGA | 1 | --- | --- | 1 (up to 1920x1200 6Hz) |
| HDMI text | 1 -Supports 4k@60Hz as specified in HDMI 2.0b | 1 - supports 4k@60Hz as specified in HDMI 2.0b | 1 - Supports 4k@60Hz as specified in HDMI 2.0b | 1 -Supports 4k@60Hz as specified in HDMI 2.0b |
| Interface Notes | 1x USB Type-C to Client - Up to 60 W (PD v2.0-1.1) power output to client or 4.5W input | 1x USB Type-C to Client - Thunderbolt™ 4 up to 60 W (PD v2.0-1.1), 5-20V/3.0A upstream (PC), Intel AMT support (vPRO) | 1x USB Type-C to Client - Thunderbolt™ 4 up to 60 W (PD v2.0-1.1), 5-20V/3.0A upstream (PC), Intel AMT support (vPRO) | --- |
| Kensington Lock support | no | 1 | 1 | 1 (lock Portrep only) |
| Ethernet (RJ-45) | 1 (10/100/1000) | 1 (10/100/1000 Mbit/s, 2,5 Gbps) | 1 (10/100/1000 Mbit/s, 2,5 Gbps) | 1 (10/100/1000) |
| Notes | Number of simultaneous used displays and its possible resolutions and frequencies depend on mobile system and display interface type. Please consult always also the manual of the connected client. | | | |

## Keyboard and pointing devices

| | |
|---|---|
| | Spill-resistant keyboard with number block, Available with standard keyboard or backlit keyboard |
| | Number of keyboard keys: 106, Keyboard pitch: 18.4 mm, Keyboard stroke: 1.7 mm |
| | Multi gesture touchpad with two mouse buttons |

## Wireless technologies

| | |
|---|---|
| Antennas | 2 Dual band WLAN antennas, +2 4G LTE antennas optional |
| Bluetooth | v5.3 hardware ready but may run at lower version due to OS limitation |
| Integrated WLAN | Intel WiFi 6E AX211 - WLAN, BT, SRD cat. 2 |
| WLAN encryption | WPA/WPA2/WPA3 (Wi-Fi Protected Access) |
| WLAN notes | WiFi 6E is supported by Windows 11 OS only - Windows 10 OS supports WiFi 6 only. Import and usage according to country-specific regulations. |
| LTE/UMTS/GPS notes | Optional |
| Integrated WWAN | (4G) LTE Quectel EM120R-GL (Cat.12) - eSIM integrated - UMTS,LTE (4G) LTE Quectel EM05-G (Cat.4) - eSIM integrated - UMTS,LTE (4G) LTE Sierra Wireless EM7421B (Cat.7) - eSIM integrated - UMTS,LTE |
| NFC | No |
| GPS | Embedded in 4G module if configured with WWAN |

## Power supply

| | |
|---|---|
| AC Adapter | 20 V / 65 W (3.25 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) Type-C AC-Adapter slim&light |
| AC Adapter | 20 V / 65 W (3.25 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) Type-C AC-Adapter standard |
| 1st battery | Lithium polymer battery 4-cell, 65 Wh, 4,280 mAh |
| Battery features | Quick Charge: 80% in 1h |
| Runtime 1st battery | 9h 30min (up to) |
| Battery notes | Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2018. Refer to www.bapco.com for additional details. 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

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

## Dimensions / Weight / Environmental

| | |
|---|---|
| Dimensions (W x D x H) | 357.4 x 230 x 20.1 mm |
| | 14.07 x 9.06 x 0.79 inch |
| Weight | 1.65 kg (starting from) |
| Weight (lbs) | starting from 3.64 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 E5512 |
| Model | 5E15A3 |
| Germany | GS (planned) |
| Europe | CE<br>CB |
| USA/Canada | FCC (depending on configuration) |
| Global | TCO Certified 9.0<br>ENERGY STAR® 8.0<br>EPEAT® Gold (dedicated regions) |
| China | CCC (depending on configuration) |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates |

## Additional Software

| | |
|---|---|
| Additional software (preinstalled) | Microsoft Office (1 month trial for new Microsoft® Office 365 customers. Buy Microsoft Office.)<br>McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed)<br>Fujitsu Plugfree Network (network management utility)<br>Fujitsu Anytime USB Charge Utility<br>Fujitsu Function Manager<br>Fujitsu Battery Utility<br>Fujitsu DeskUpdate (driver and utility tool) |
| Additional software (optional) | Drivers & Utilities DVD (DUDVD)<br>Recovery DVD for Windows®<br>Nero Essentials XL<br>Microsoft® Office Professional 2021<br>Microsoft® Office Home and Business 2021<br>(Need to buy license to activate the pre-installed Microsoft Office. Purchase and activation only in the region in which it was acquired.) |
| Additional software (notes) | Use of accompanying and/or additional Software is subject to proactive acceptance of the respective License Agreements /EULAs/ Subscription and support terms of the Software manufacturer as applicable for the relevant Software whether preinstalled or optional. The software may only be available bundled with a software support subscription which – depending on the Software - may be subject to separate remuneration. |

## Manageability

| | |
|---|---|
| Manageability technology | Intel® vPro™ technology/iAMT (depending on processor)<br>PXE Boot code<br>Wake-on-LAN |
| Manageability software | DeskView Client<br>DeskView Instant BIOS 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 | https://www.fujitsu.com/global/products/computing/pc/manageability/ |

## Security

| | |
|---|---|
| Physical Security | Kensington Lock support |
| System and BIOS Security | User and supervisor BIOS password |

## Security

| User Security | Embedded fingerprint sensor (optional) |
| --- | --- |
| | Embedded PalmSecure® sensor (optional) |
| | Smartcard reader (optional) |
| | TPM 2.0 |
| | Hard disk password |
| Security Notes | The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fujitsu as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation. |

## 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 |
| Digital bug fixes | Subject to availability and following their generic release for the product, bug fixes and function-preserving patches for product-related software (firmware) can be downloaded from the technical support at: https://support.ts.fujitsu.com/ free of charge by entering the respective product serial number. For application software supplied together with the product, please directly refer to the support websites of the respective software manufacturer. |

### Product Support - the perfect extension

| Recommended Service | 9x5, Onsite Response Time: Next Business Day |
| --- | --- |
| Spare Parts availability | at least 5 years after shipment, for details see https://support.ts.fujitsu.com/ |
| Service Weblink | http://www.fujitsu.com/emeia/products/product-support-services/ |

# Recommended Accessories

| CANVAS ANDERSON 15 | The PLEVIER CANVAS ANDERSON 15 leather and canvas case is a compact and classic carrier for on the go. Available for notebooks up to 15 inches with two compartments and two accessory sections, protection for your device ensured. A subtle design canvas and nappa leather shade. | Order Code: S26391-F1193-L68 |
| --- | --- | --- |
| Prestige Trolley 17 | The Fujitsu Prestige Trolley 17 protects and transports notebooks with up to 17 inch screens, along with clothes and toiletries. It is the perfect companion in a city environment or for overnight stays with four spacious compartments. Smooth running wheels and a telescopic handle ensure convenience, while the central section protects your notebook with shock-absorbing foam. | Order Code: S26391-F1194-L130 |

| Prestige Backpack 16 | | The Fujitsu Prestige Backpack 16 protects notebooks with up to 16-inch displays. It contains one large main compartments, two elastic mesh side pocket and three front bays with zipper. The padded back compartment provides protection for your notebook, while the other sections store power adaptors and office supplies. Padded shoulder straps and back cushions provide comfort on the move. | Order Code: S26391-F1194-L137 |

| Wireless Mouse WI860 BTC | | The Wireless Mouse WI860 BTC can be paired with up to 3 different clients, 2x Bluetooth and 1x wireless USB Type-C dongle.<br>With the blue optical sensor, it works on nearly all surfaces with an 3-step adjustable DPI selector (800/1600/2400).<br>The mouse charges wirelessly through Qi or by USB Type-C cable.<br>A utility button on the side is programmable. The default functions are optimized for Teams calls. | Order Code: S26381-K474-L100 |

# More information

## Fujitsu products, solutions & services

In addition to Fujitsu Notebook LIFEBOOK E5512, 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 E5512, 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

## Copyrights

All rights reserved, including intellectual property rights. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see https://www.fujitsu.com/global/about/resources/terms/
Copyright 2024 Fujitsu Technology Solutions GmbH

## Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering.
Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.
The overall product has been designed and manufactured for general office use, regular personal use and ordinary industrial use.