FUJITSU

Fujitsu recommends Windows 11 Pro.

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 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. Fujitsu recommends Windows 11 Pro for business. Windows 10 Home
Operating system compatible	Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 11 Home
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 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, 1,366 x 768 pixel, Anti-glare display, 220 cd/m², 500:1
	39.6 cm (15.6-inch), LED backlight, FHD, 1,920 x 1,080 pixel, Anti-glare IPS display, 250 cd/m², 700:1
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)

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

Brightness - typical	FHD 250 cd/m²
Contrast - typical	FHD - 700:1
Display notes	FHD - Viewing angle: Left/Right 80°, Top 80°, Bottom 80°; Color Gamut: 45%, response time 25 ms
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 Gen1 (5 Gbps) total	2x Type-A (1 with Anytime USB charge functionality)
USB 3.2 Gen2 (10 Gbps) total	1x Type-C (Display-Port Tunnel & Power Delivery)
VGA	1
DisplayPort	1 v1.2 (cannot be used together with HDMI)
HDMI	1 v1.4b (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)	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	---
Audio: comments	---	1 Combo jack for headset usage

Port Replicator interfaces (optional)

USB 3.2 Gen1 (5 Gbps) total	4x Type-A 2x Type-C	---
DisplayPort	2 (up to 2x 3840x2160 60Hz)	1x V1.2
VGA	1 (up to 1920x1200 60Hz)	1
DVI	1 (up to 1920x1200 60Hz)	---
HDMI text	---	1
Interface Notes	---	3x Type-A - 5V/0.9A, 4.5W 1x Type-C - 15W 1x Type-C - Up to 60 W (PD v2.0-1.1) power output to client or 4.5W input
Kensington Lock support	1 (Portrep only, Portrep option with key lock to secure Portrep & System)	no
Ethernet (RJ-45)	---	1
Notes	1 RJ45 (10/100/1000)	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

	Keyboard w/o touchstick (spill-resistant), Keyboard w/ touchstick, Backlit 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 Status LED 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) 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) DC-in AC-Adapter (for PR)
AC Adapter	19 V / 65 W (3.42 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) DC-in AC-Adapter
Notes	65W AC Adapter for usage with system/ 90W AC Adapter for usage with Port Replicator
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. 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)	379 x 256 x 23.9 mm
	14.92 x 10.08 x 0.94 inch
Weight	from 2.04 kg
Weight (lbs)	from 4.49 lbs
Weight notes	Weight may vary depending on actual configuration

Dimensions / Weight / Environmental

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 CB
USA/Canada	FCC (depending on configuration) (planned)
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) EPEAT® Silver (dedicated regions), depending on configuration TCO Certified 8.0 (depending on configuration) ENERGY STAR® 8.0 MIL-STD-810H tested
India	BIS
Russia	EAC
China	CCC (depending on configuration)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Additional Software

Additional software (preinstalled)	McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Waves MaxxAudio (audio enhancer) Fujitsu Plugfree Network (network management utility) Fujitsu Anytime USB Charge Utility Fujitsu Battery Utility Fujitsu Function Manager Fujitsu DeskUpdate (driver and utility tool)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink YouCam (webcam software) Microsoft® Office Professional 2019 Microsoft® Office Home and Business 2019 (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.)
Additional software (notes)	Use of accopanying 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	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) WoL (Wake on LAN) Intel® vPro™ technology
Manageability software	DeskView Client DeskView Instant BIOS Management
DeskView components	Inventory Management BIOS Management Driver Management Security Management Alarm Management

Manageability

Supported standards	WMI (Windows Management Instrumentation)
	PXE (Preboot Execution Environment)
	DMI (Desktop Management Interface)
	SMBIOS (System Management BIOS)
	CIM (Common Information Model)
	BootP (made4you)
Manageability link	http://www.fujitsu.com/fts/manageability

Security

System and BIOS Security	EraseDisk
	Trusted Platform Module (TPM 2.0)
User Security	Embedded PalmSecure™ sensor (optional)
	Embedded fingerprint sensor (optional)
	Access protection via internal SmartCard reader (optional)
	Hard disk password
	User and supervisor BIOS 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 Services - the perfect extension

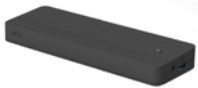|	
Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/emeia/products/product-support-services/

Recommended Accessories

Port Replicator for LIFEBOOK U7 and E5 family with key lock (2020)		Flexibility, expandability, desktop replacement, investment protection – to name just a few benefits of Fujitsu's docking options.	Order Code: S26391-F1607-L219
USB Type-C Port Replicator 2		Connect to your peripherals. Adapt to the task on demand. The universal USB Type-C interface supports you to get your peripheral devices connected easily. Multiply your USB ports to connect your peripherals as well as your external display via HDMI, DisplayPort or VGA. You also can charge your external USB devices without the need of any additional charger.	Order Code: 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. Highest data throughput is guaranteed due to an USB Type-C based Gen2 Hub-Controller enabling up to 10 Gbit/s data streaming. The newest version of USB Power Delivery chipset (PD3.0) provides powerful charging during your workday.	Order Code: 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: S26391-F1616-L100
USB-C Hub 4 Ports	Fujitsu offers the first most powerful USB-C hybrid usage hub, following industrial requirements as well as being ready for office desktop usage. The USB-C Hub 4 Ports from Fujitsu makes connecting all of your USB peripherals a quick and simple process. SuperSpeed USB Type-C makes data transfer to and from external storage faster than ever. The hub dynamically selects the optimal speed for each device, giving you more bandwidth where you need it automatically.	Order Code: S26391-F6099-L404
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: S26391-F6098-L215
Prestige Top Case 15 (2021)	The Prestige Top Case 15 protects notebooks with up to 15.6-inch screens. A padded top-loading notebook compartment made of shock-absorbing foam ensures additional protection. It's front pouch is ideal for storing of power adaptors, office supplies or personal items. It is the perfect business case in a practical design.	Order Code: S26391-F1120-L50
Prestige Case 15 (2021)	The Prestige Case 15 protects notebooks with up to 15.6-inch screens. The front compartment provides space for your power cord and office supplies. The large compartment is devided for your notebook and a tablet.	Order Code: S26391-F1120-L60

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

Copyrights

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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.
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The overall product has been designed and manufactured for general office use, regular personal use and ordinary industrial use.