FUJITSU

Fujitsu recommends Windows 11 Pro.

Data Sheet
Fujitsu Notebook LIFEBOOK E5412A

Your Powerful and Modern Business Device

The Fujitsu LIFEBOOK E5412A is designed for office workers needing a powerful, fully equipped notebook. Thanks to the latest AMD Ryzen™ 5000U Series processor and great connectivity with 4G/LTE you can work efficiently wherever you are. Advanced security features like PalmSecure™ are protecting your business data against unauthorized access.

Modern and robust design
Reliable mobility, ease of use and modern good looks for everyday business demands
- Slim 19.9 mm entry notebook starting at 1.35 kg with a solid design
- Enjoy an ergonomic viewing experience with a 14.0-inch outdoor friendly anti-glare FHD display with touch option

Reliable and secure performance
Protect your business data from unauthorized access at all times
- Integrated PalmSecure™ or fingerprint sensor
- Infrared Camera: Allows face recognition with Windows Hello
- AMD Radeon™ 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 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
- Based on the latest AMD Ryzen™ 5000U Series 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

Components

Base unit	LIFEBOOK E5412A
Operating systems	
Operating system pre-installed	Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 11 Home Windows 10 Pro. Fujitsu recommends Windows 11 Pro for business.
Microsoft OS support information	# Windows 11 requires for first device setup: - Internet connectivity - Microsoft account for Home editions or organizational account (e.g. ADD) for Pro editions # 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. 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	AMD Ryzen™ 7 PRO 5875U (8 Cores / 16 Threads)
	AMD Ryzen™ 5 PRO 5675U (6 Cores / 12 Threads)
Processor	AMD Ryzen™ 3 PRO 5475U (selected models only)
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/5G (optional)	Quectel EM120R-GL (4G Cat.12) (Downlink speed 600 MB/s, Uplink speed 150 MB/s)
	Quectel EM05-G (4G Cat.4) (Downlink speed 150 MB/s, Uplink speed 50 MB/s)
Display	35.6 cm (14.0-inch), IPS, FHD, 1,920 x 1,080 pixel, Anti-glare multi-touch, 300 cd/m^2 (Touch), 700:1 (Touch)
	35.6 cm (14.0-inch), FHD, 1,920 x 1,080 pixel, Anti-glare IPS display, 250 cd/m^2 (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 E5412A
General system information	
Chipset	Integrated in CPU
Supported capacity RAM (min.)	8 GB
Supported capacity RAM (max.)	64 GB

General system information

Memory slots	2 SO DIMM (DDR4, 3200 MHz)
Memory notes	Dual channel support
LAN	10/100/1,000 MBit/s Realtek RTL8111H
Integrated WLAN	Realtek Wi-Fi 6 RTL8852BE 11ax - WLAN, BT, SRD cat. 1
BIOS version	UEFI Specification 2.7
BIOS features	InsydeH2O BIOS
Audio type	On board
Audio codec	Realtek ALC257
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.

Graphics

Base unit	LIFEBOOK E5412A
Graphics brand name	AMD Radeon™ Graphics
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	2x Type-A (1 with Anytime USB charge functionality)
USB 3.2 Gen2 (10 Gbps) total	2x Type-C (Power Delivery / DP 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: 2GB microSDHC card: 32GB microSDXC card: 2TB Speed Class: up to UHS-I (104MB/s)
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 - Dual SIM (DSSA) supported
Kensington Lock support	1

Port Replicator interfaces (optional)

	USB Type-C PR
DC-in	1 (19V/90W required)
Power on switch	1
Audio: comments	1 Combo jack for headset usage
DisplayPort	1x V1.2
VGA	1
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	no
Ethernet (RJ-45)	1
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, Available with standard keyboard or backlit keyboard
	Number of keyboard keys: 85, Keyboard pitch: 19 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	v5.1
Integrated WLAN	Realtek Wi-Fi 6 RTL8852BE 11ax - WLAN, BT, SRD cat. 1
WLAN encryption	WPA/WPA2/WPA3 (Wi-Fi Protected Access)
WLAN notes	Import and usage according to country-specific regulations.
Integrated LTE or UMTS	(4G) LTE Quectel EM120R-GL (Cat.12) - UMTS,LTE (4G) LTE Quectel EM05-G (Cat.4) - UMTS,LTE
LTE/UMTS/GPS notes	Optional
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 options	Li-Ion battery 4-cell, 3,915 mAh, 60 Wh
1st battery	Lithium polymer battery 4-cell, 60 Wh, 3915 mAh
Battery features	Quick Charge: 80% in 1h
Runtime 1st battery	14h 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)	322 x 211 x 19.9 mm 12.68 x 8.31 x 0.78 inch
Weight	1.35 kg (starting from)
Weight (lbs)	starting from 2.98 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 E5412A
Model	5E14A3
Germany	GS (planned)
Europe	CE CB
Global	TCO Certified 9.0 ENERGY STAR® 8.0 EPEAT® Gold (dedicated regions)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Additional Software

Additional software (preinstalled)	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 (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	Wake-on-LAN PXE Boot code
Supported standards	WMI (Windows Management Instrumentation) PXE (Preboot Execution Environment) DMI (Desktop Management Interface) SMBIOS (System Management BIOS) CIM (Common Information Model)
Manageability link	http://www.fujitsu.com/fts/manageability

Security

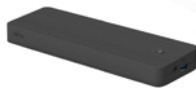|	
Physical Security	Kensington Lock support
System and BIOS Security	User and supervisor BIOS password
User Security	Access protection via internal SmartCard reader (optional) Embedded fingerprint sensor (optional) Embedded PalmSecure® sensor (optional) Hard disk password
Security Notes	The properties 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

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
			Order Code: FPCBP594BR

More information

Fujitsu products, solutions & services

In addition to Fujitsu Notebook LIFEBOOK E5412A, 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 E5412A, 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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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.
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The overall product has been designed and manufactured for general office use, regular personal use and ordinary industrial use.