Datasheet
Fujitsu
Business Notebook
LIFEBOOK E5412

Fujitsu recommends Windows 11 Pro

Your Powerful and Modern Business Device

The Fujitsu LIFEBOOK E5412 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 19.9 mm entry notebook starting at 1.35 kg with magnesium alloy LCD lid
- Enjoy an ergonomic viewing experience with a 14-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 fingerprint sensor
- Infrared Camera allows face recognition with Windows Hello
- Integrated Privacy Camera Shutter
- SmartCard reader and TPM 2.0

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 faster speeds, and connect to external monitors and other peripherals
- Wi-Fi 6E allows more bandwidth which provides faster and low latency connections
- Full set of interfaces with full-size LAN connector and HDMI
- 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, and internal storage can be changed with ease

Components

Processor	Intel® Core™ i7-1265U processor (10 Cores, up to 4.8 GHz), vPro Enterprise supported Intel® Core™ i7-1255U processor (10 Cores, up to 4.7 GHz), vPro Essentials supported Intel® Core™ i5-1245U processor (10 Cores, up to 4.4 GHz), vPro Enterprise supported Intel® Core™ i5-1235U processor (10 Cores, up to 4.4 GHz), vPro Essentials supported Intel® Core™ i3-1215U processor (6 Cores, up to 4.4 GHz)
Operating systems[1]	Windows 11 Pro. Fujitsu recommends Windows 11 Pro for business. Windows 11 Home Windows 10 Pro through Windows 11 Pro downgrade rights.
Memory	Minimum: 4GB DDR4-3200; Maximum 64GB DDR4-3200
Memory Slots	2 DIMM, Dual Channel support
Internal Storage[2]	2TB, Gen 4 PCIe-SSD M.2 2280 NVMe module, SED 1TB, Gen 3 or Gen 4 PCIe-SSD M.2 2280 NVMe module, SED 512GB, Gen 3 or Gen 4 PCIe-SSD M.2 2280 NVMe module, SED 256GB, Gen 3 or Gen 4 PCIe-SSD M.2 2280 NVMe module, SED
Display	14 inch (35.6 cm), HD, 1,366 x 768 pixel, Anti-glare display, Non-touch, 220 cd/m^2 (HD), 500:1 (HD) 14 inch (35.6 cm), FHD, 1,920 x 1080 pixel, Anti-glare display, touchscreen, 300 cd/m^2, 700:1 14 inch (35.6 cm), FHD, 1,920 x 1080 pixel, Anti-glare display, Non-touch, 250 cd/m^2, 700:1
Graphics[3]	Intel® Iris® Xe Graphics (with Dual channel memory) Intel® UHD Graphics (with Single channel memory)
LAN	Intel® Ethernet Connection I219-LM
WLAN (Optional)	Intel® Wi-Fi 6E AX211 802.11ax 2x2+ Bluetooth 5.2 (depends on OS support) (Wi-Fi 6E frequency only available in dedicated regions)
WWAN (Optional)[4]	Quectel EM05-G (4G Cat.4, Downlink speed 150 MB/s, Uplink speed 50 MB/s, dedicated regions only)
Camera (Optional)	HD camera with status LED and privacy shutter IR HD camera with status LED and privacy shutter (Windows Hello Supported)
Audio	Realtek® ALC257 HD Audio, Stereo Speakers
Internal Microphones (Optional)	Dual digital array microphones
Interfaces[5]	1x Audio Combo 2x USB 3.2 Gen 1 Type-A (1 with Anytime USB charge functionality) 2x USB 4.0 Gen 3 Type-C (Intel® Thunderbolt™ 4 with DisplayPort and Power delivery function) 1x HDMI 2.0 1x Gigabit Ethernet RJ-45 with status LED
Expansion Slots	1x microSD 3.0 card slot (supports microSD, microSDHC, microSDXC) 1x Nano-SIM card slot (only for models with configuration WWAN ready or 4G/LTE modules)
Keyboard and Pointing Device	US Layout Backlit Keyboard (Spill Resistant) (Supported Language: EN/TW/TH) JP Layout Non-Backlit Keyboard (Spill Resistant) Number of keys (US Layout): 84, Keyboard pitch: 19mm, Keyboard stroke: 1.7mm Precision multi-touch touchpad with two mouse buttons
Security	Integrated Fingerprint sensor (optional) Integrated PalmSecure™ palm vein sensor (optional) Integrated Smartcard reader (optional)

	Trusted Platform Module (TPM 2.0, optional) Fujitsu EraseDisk Fujitsu AuthConductor™ Client Basic Fujitsu BIOS/Hard Disk password protection Kensington lock slot (lock to be purchased separately)
Manageability	Intel® AMT (depending on processor and configuration), WOL, WOM, PXE, WFM 2.0 Compliant DMI
BIOS version	UEFI Specification 2.8 InsydeH20 BIOS
Additional Software	Fujitsu USB Type-C™ charge and feeding power utility Fujitsu Battery Utility Fujitsu Function Manager Fujitsu DeskUpdate (driver and utility tool) Microsoft Office (free 30-day trial) WWAN Control Utility Fujitsu LIFEBOOK Application Panel Fujitsu Mic Mute Utility Waves MaxxAudio Fujitsu Pointing Device Utility
AC Adapter	20V/65W (3.25A), 100V – 240V, 50Hz – 60Hz, 3-pin (grounded) USB Type-C™ AC-Adapter
Battery[6]	Lithium polymer battery 4-cell, 60Wh, up to 11 hrs Quick Charge: Up to 80% charging in 1 hour
Dimension (WxDxH)[7]	322 x 211 x 19.9 mm / 12.68 x 8.31 x 0.78 inch
Weight	Starting at 1.35 kg / Starting at 2.98 lbs (Weight may vary depending on actual configuration)
Warranty	Please visit: https://www.fujitsu.com/hk/microsite/warranty/ Accidental damage is not covered under standard limited warranty
Compliance	Product: LIFEBOOK E5412; Model: 5E14A3
Certifications	CE CB RoHS ENERGY STAR® 8.0 TCO 9 EPEAT® Gold (dedicated regions only) MIL-STD-810H compliant* *MIL-STD-810H test results are not a guarantee of future performance under identified test conditions.
Accessories (Optional)	Fujitsu USB Type-C™ Port Replicator Fujitsu Thunderbolt™ 4 Port Replicator Fujitsu Mechanical Port Replicator (Model: NPR50) Fujitsu 65W USB Type-C™ AC-Adapter

More information

Moving forward for a sustainable world – Fujitsu Uvance

The word "Uvance" embodies a concept of "Making all (Universal) things move forward (Advance) in a sustainable direction.

Fujitsu Uvance will leverage Fujitsu's technological capabilities and problem-solving expertise across seven key focus areas, including Sustainable Manufacturing, Consumer Experience, Healthy Living, Trusted Society, Digital Shifts, Business Applications, and Hybrid IT, to offer unprecedented value to customers, while contributing to the achievement of its ultimate purpose —"to make the world more sustainable by building trust in society through innovation."

Through Fujitsu Uvance, we are committed to transforming the world into a place where people can live their lives, enjoying prosperity and peace of mind. Empowering each other to make the world more sustainable.

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To grow in an uncertain world, it is imperative to stay resilient and agile to respond complex and unforeseen challenges.

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For more information, please visit https://www.fujitsu.com/global

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Note: For countries not listed above, please contact Hong Kong office.

Specification disclaimers

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. [2] GB = 1 billion bytes. TB = 1 trillion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software. Up to 20 GB of HDD space is reserved for system recovery. [3] Shared memory depending on main memory size and operating system. [4] WWAN module is optional and available in specific countries only. It requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. Please contact our Fujitsu sales specialist for more information. [5] Interfaces depend on the configuration selected by customers. [6] Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2018 (office productivity). 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. For more detail, please contact Fujitsu sales specialist. [7] The stated thickness does not include rubber feet.

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