

Datasheet

Fujitsu

Business Notebook

LIFEBOOK U7312



Fujitsu recommends Windows 11 Pro

Secure Mobile Office Companion

The Fujitsu LIFEBOOK U7312 with its new slim and stylish ultra-mobile chassis, based on the 12th generation Intel® Core™ processor, is made for business professionals. With its 13.3-inch screen, light weight of 1.05 kg, Intel® Thunderbolt™ 4 ports, it provides excellent mobility and portability. Ergonomic viewing is guaranteed along with outstanding security.

Elegant design and great mobility

Maximize your productivity with ultimate convenience

- Thanks to the complete magnesium alloy chassis, the weight is remarkably lightweight starting at 1.05 kg and Military tested to be durable and reliable.
- Built on Intel® vPro® platform featuring performance, security manageability and stability.
- Power performance with 12th Gen Intel® Core™ processors, up to 12 cores and 16 threads
- Automate driver, BIOS, software updates with Fujitsu DeskUpdate.

Excellent security

Enhance your security to best protect your notebook and data

- Peace of mind security protection from BIOS to application level with SSO solution, help protect from unauthorized threat.
- Keep safe from prying eyes by activating ePrivacy filter at a touch of a button
- Leading edge biometric security from Fujitsu PalmSecure™ which authenticates based on vein pattern, fingerprint sensor and face recognition
- Protect malicious surveillance with physical Privacy Camera Shutter.

Premium connectivity

Stay flexible and productive within a modern workplace

- Compact and versatile Intel® Thunderbolt™ 4 with USB4 Type-C™ (40Gbps) connector to charge your notebook, 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

Convenient upgradeability

Direct access to key components reduces upgrade time and costs

- Battery, memory, and internal storage can be changed easily

Family concept

Reduce your acquisition cost as well as the complexity of your IT equipment

- Family port replicator for the whole LIFEBOOK U7 Series ensures ultimate flexibility and shared workplace concepts
- Shared components such as the USB Type-C™ port replicator, USB Type-C™ AC Adapter, BIOS, and Image across the ultra-mobile LIFEBOOK U7 family



Components

Processor	Intel® Core™ i7-1270P processor (12 Cores, up to 4.8 GHz), vPro Enterprise supported Intel® Core™ i5-1250P processor (12 Cores, up to 4.4 GHz), vPro Enterprise supported Intel® Core™ i5-1240P processor (12 Cores, up to 4.4 GHz), vPro Essentials 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 systems¹	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 Storage²	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	13.3 inch (33.8 cm), HD, 1,366 x 768 pixel, Anti-glare display, Non-touch, 250 cd/m ² , 500:1 13.3 inch (33.8 cm), FHD, 1,920 x 1,080 pixel, 72% NTSC, Anti-glare touchscreen, 300 cd/m ² , 800:1 13.3 inch (33.8 cm), FHD, 1,920 x 1,080 pixel, 72% NTSC, Anti-glare display, Non-touch, 300 cd/m ² , 700:1 13.3 inch (33.8 cm), FHD, 1,920 x 1,080 pixel, 72% NTSC, Anti-glare ePrivacyFilter, Non-touch, 400 cd/m ² , 1000:1
Graphics³	Intel® Iris® X ^e 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)
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 Microphone (Optional)	Dual digital array microphone
Interfaces⁴	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 Ethernet RJ-45
Expansion Slots	1x microSD 3.0 card slot (supports microSD, microSDHC, microSDXC)
Keyboard and Pointing Device	US Backlit Keyboard (Spill Resistant) US/JP 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)

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	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) 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) Type-C AC-Adapter
Battery⁵	Lithium polymer battery 4-cell, 60Wh, up to 10hr 39mins Quick Charge: Up to 80% charging in 1 hour
Dimension (WxDxH)⁶	308 x 199.5 x 18.9 mm / 12.13 x 7.85 x 0.74 inch
Weight	Starting at 1.05 kg / Starting at 2.32 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 U7312; Model: 7U13A3
Certifications	CE CB RoHS ENERGY STAR® 8.0 TCO 9 EPEAT® Silver (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 NPR50 Mechanical Port Replicator 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.”

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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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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 Interfaces depend on the configuration selected by customers. ⁵ 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. ⁶ The stated thickness does not include rubber feet.

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