

Fujitsu recommends Windows 11 Pro.

Data Sheet

Fujitsu Notebook LIFEBOOK U7312

Ultra-Mobile Meets Ultra Secure

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 1.04 kg, Intel® Thunderbolt™ 4 ports, it provides excellent mobility and portability. Ergonomic viewing is guaranteed along with outstanding security.

Elegant design and mobility

Manage your workday with premium notebooks providing ultimate convenience to maximize your productivity

- Thanks to the complete magnesium housing, the weight of the remarkably slim 18.9 mm ultra-mobile notebook starts at 1.04 kg.
- Enjoy the Intel® Iris® Xe Graphics with an HD or FHD display on an outdoor-friendly anti-glare, FHD touch panel option.

Excellent security for your business

Enhance your security with outstanding features to best protect your notebook and company data from unauthorized access

- Integrated PalmSecure™ or fingerprint sensor
- Infrared Camera: Allows face recognition with Windows Hello
- ePrivacy Filter: Keep safe from prying eyes
- Built-in Privacy Camera Shutter: Protecting your privacy
- SmartCard reader

Premium connectivity

Stay flexible and productive within a modern workplace environment

- 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 interfaces with full-size LAN connector and HDMI
- Embedded 4G or 5G/LTE

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 costs as well as the complexity of your IT equipment

- Family port replicator for the whole LIFEBOOK E5 and 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 Bit Image across the ultra-mobile LIFEBOOK U7 family



Components

Base unit	LIFEBOOK U7312
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	After the end of the product life Fujitsu will continue to test and support all upcoming Windows 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 General Availability Channel" at 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™ i7-1270P processor (12C, up to 4.8 GHz)
	Intel® Core™ i7-1255U processor (10C, up to 4.7 GHz) *
	Intel® Core™ i5-1250P processor (12C, up to 4.4 GHz)
	Intel® Core™ i5-1245U processor (10C, up to 4.4 GHz)
	Intel® Core™ i5-1240P processor (12C, up to 4.4 GHz) *
	Intel® Core™ i5-1235U processor (10C, up to 4.4 GHz) *
	Intel® Core™ i3-1215U processor (up to 4.4 GHz) *
	*Processor only for retail, SMB, education and government
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)	Fibocom FM350-GL (5G Sub-6/ cat.19) (Downlink speed 5G - 3740 MB/s, 4G - 1600 MB/s, Uplink speed 5G - 835 MB/s, 4G - 211 MB/s) Quectel EM120R-GL (4G Cat.12) (Downlink speed 600 MB/s, Uplink speed 150 MB/s)
Display	
	33.8 cm (13.3-inch), IPS, FHD, 1,920 x 1,080 pixel, Anti-glare multi-touch, 300 cd/m ² (Touch), 800:1 (Touch)
	33.8 cm (13.3-inch), HD, 1,366 x 768 pixel, Anti-glare display, 250 cd/m ² (HD), 500:1 (HD)
	33.8 cm (13.3-inch), FHD, 1,920 x 1,080 pixel, Anti-glare IPS display, 400 cd/m ² (FHD), 1000:1 (FHD)
	33.8 cm (13.3-inch), FHD, 1,920 x 1,080 pixel, Anti-glare IPS display, 300 cd/m ² (FHD), 700:1 (FHD)
	33.8 cm (13.3-inch), FHD, 1,920 x 1,080 pixel, Anti-glare ePrivacyFilter, 400 cd/m ² (ePF), 1000:1 (ePF)
Multimedia	
Camera	Built-in Infrared webcam (HD) with Status LED Built-in 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 U7312
General system information	
Chipset	Integrated
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
Color	Warm Silver
Material	Magnesium

Graphics

Base unit	LIFEBOOK U7312
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	2x Type-A (1 with Anytime USB charge functionality)
USB 4.0 Gen3 (20 Gbps) total	2x Type-C Intel® Thunderbolt™ 4 (40 Gbps), Power Delivery (15W), DP out
HDMI	1 - Supports 4k@60Hz as specified in HDMI 2.0b
Ethernet (RJ-45)	1
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/5G LTE modules)
eSIM card	eSIM integrated in 4G/5G LTE modules - Dual SIM (DSSA) supported
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	Mechanical PR Model: NPR50
DC-in	1 (19V/90W required)	1 (20V/170W required)	1 (19V/90W required)
Power on switch	1	1	1
Audio: line-in / line-out	---	---	1
Audio: comments	1 Combo jack for headset usage	1 Combo jack for headset usage	Combo-Port
USB 3.2 Gen1 (5 Gbps) total	---	---	4x Type-A 2x Type-C
DisplayPort	1x V1.2	2x V1.4++	2 (up to 2x 3840x2160 60Hz)
VGA	1	---	1 (up to 1920x1200 6Hz)
HDMI text	1	V 2.0b	1 (up to 4096x2160 60Hz)

Port Replicator interfaces (optional)

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	2x Type-A - 5V/0.9A, 4.5W 1x Type-A - 5V/2.4A, 12W 2x Type-C - 5V, 1.5A/4.5W charging port 1x Type-C - TBT4 up to 60 W (PD v2.0-1.1), 5-20V/3.0A upstream (PC), Intel AMT support (vPRO) 1x Type-C - TBT4 up to 15 W (PD v2.0-1.1), 5V/3.0A downstream, power output to client	The shown up to resolutions are maximum values each port and will be different depending on Multi-Display combinations.
Kensington Lock support	no	1	1 (lock Portrep only)
Ethernet (RJ-45)	1	1 (10/100/1000 Mbit/s, 2,5 Gbps)	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.		1 RJ45 (10/100/1000)

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+2 LTE antennas optional
Bluetooth	v5.2
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.
Integrated LTE or UMTS	(5G) LTE Fibocom FM350-GL (Sub-6/cat.19) - eSIM integrated - UMTS,LTE,5G (4G) LTE Quectel EM120R-GL (Cat.12) - eSIM integrated - UMTS,LTE
LTE/UMTS/GPS notes	Optional
NFC	No
GPS	Embedded in 4G/5G 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	tbc

Noise emission

Noise emission	Please refer to the Eco Declaration
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Dimensions / Weight / Environmental

Dimensions (W x D x H)	308 x 199.5 x 18.9 mm 12.13 x 7.85 x 0.74 inch
Weight	starting from 1.04 kg
Weight (lbs)	starting from 2.29 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 E7312
Model	7U13A3
Germany	GS (planned)

Compliance

Europe	CE CB
USA/Canada	FCC (depending on configuration) (planned)
Global	TCO Certified 9.0 EPEAT® Gold (dedicated regions) in progress
Russia	EAC in progress
China	CCC (planned)
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 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) PXE Boot code Wake-on-LAN
Manageability software	DeskView Client DeskView Instant BIOS Management
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

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



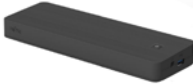

Warranty period	2 years (for countries within EMEA)
Warranty type	Bring-in Service / Collect & Return Service (depending on country)
Warranty Terms & Conditions	http://www.fujitsu.com/warranty
Digital bug fixes	Subject to availability and following their generic release for the product, bug fixes and 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

Warranty

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

Thunderbolt™ 4 Port Replicator		First Thunderbolt™ Port Replicator on the market providing enhanced security and full support of Intel® AMT (vPro®). The universal port can easily connect almost everything with a single cable and high speed-data transfer. This smart workspace solution keeps your desk clean and tidy.	Order Code: FPCPR401BP
Port Replicator for LIFEBOOK U7x12, E5x12, U7411 and U7511		Flexibility, expandability, desktop replacement, investment protection – to name just a few benefits of Fujitsu's docking options.	Order Code: FPCPR402BP
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
Battery 4 cell 60 Wh		The 4 cell 60 Wh battery requires a voltage of 14.4 V and has a capacity of 4170 mAh. The weight of the battery is 342 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: FPCBP594BP

More information

Fujitsu products, solutions & services

In addition to Fujitsu Notebook LIFEBOOK U7312, 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 U7312, 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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