

Fujitsu recommends Windows 11 Pro.

# Data Sheet

## Fujitsu Notebook LIFEBOOK U7412

### Ultra-Mobile Meets Ultra Secure

The Fujitsu LIFEBOOK U7412 is a modern slim & light notebook for business professionals seeking optimum mobility for business trips and ergonomics in the office. Based on the 12th generation Intel® Core™ processor, a 14-inch screen, light weight of 1.13 kg and an all-day battery runtime enables it to provide excellent mobility and portability.

#### Elegant design and great mobility

Maximize your productivity with premium notebooks providing ultimate convenience

- Thanks to the complete magnesium housing, the weight of the remarkably slim 18.9 mm ultra-mobile notebook starts at 1.13 kg
- The Intel® Evo™ vPro® platform offers a great thin-and-light notebook experience
- Enjoy the Intel® Iris® Xe Graphics with an FHD or HD display
- The outdoor-friendly anti-glare, FHD touch panel comes with a narrow bezel design in a warm silver colored chassis



#### Excellent security

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

- 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 fasted 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 cost 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



An Evo Design

# Components

Base unit	LIFEBOOK U7412
<b>Operating systems</b>	
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 <a href="https://support.ts.fujitsu.com/IndexProdSupport.asp?lNg=com&amp;OpenTab=">https://support.ts.fujitsu.com/IndexProdSupport.asp?lNg=com&amp;OpenTab=</a>
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.
<b>Processor</b>	
	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	
<b>Memory modules</b>	
	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
<b>Hard disk drives (internal)</b>	
	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.
<b>Interface add on cards/components (optional)</b>	
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)
<b>Display</b>	
	35.6 cm (14.0-inch), IPS, FHD, 1,920 x 1,080 pixel, Anti-glare multi-touch, 300 cd/m <sup>2</sup> (Touch), 700:1 (Touch)
	35.6 cm (14.0-inch), HD, 1,366 x 768 pixel, Anti-glare display, 220 cd/m <sup>2</sup> (HD), 500:1 (HD)
	35.6 cm (14.0-inch), FHD, 1,920 x 1,080 pixel, Anti-glare IPS display, 400 cd/m <sup>2</sup> (FHD), 800:1 (FHD)
	35.6 cm (14.0-inch), FHD, 1,920 x 1,080 pixel, Anti-glare ePrivacyFilter, 400 cd/m <sup>2</sup> (ePF), 1000:1 (ePF)
<b>Multimedia</b>	
Camera	Built-in webcam (HD) with Status LED
Camera notes	Built-in Infrared webcam (HD) with Status LED
Microphone	720p, 1 megapixels, 1280 x 720, with Privacy Camera Shutter
	dual digital array microphone

# Base unit

Base unit	LIFEBOOK U7412		
<b>General system information</b>			
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		
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.		
Color	Warm Silver		
Material	Magnesium		
<b>Graphics</b>			
Base unit	LIFEBOOK U7412		
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		
<b>Interfaces</b>			
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 (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/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		
<b>Port Replicator interfaces (optional)</b>			
	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

Port Replicator interfaces (optional)			
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)
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.		
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	up to 11h 30min		
Battery notes	Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2018. Refer to <a href="http://www.bapco.com">www.bapco.com</a> 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 18.9 mm		
	12.68 x 8.31 x 0.74 inch		
Weight	starting from 1.13 kg		
Weight (lbs)	starting from 2.49 lbs		

**Dimensions / Weight / Environmental**

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 U7412
Model	7U14A3
Germany	GS (planned)
Europe	CE CB
USA/Canada	FCC (depending on configuration) (planned)
Global	TCO Certified 9.0 ENERGY STAR® 8.0 EPEAT® Gold (dedicated regions)
Russia	EAC in progress
China	CCC (planned)
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

**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	<a href="http://www.fujitsu.com/fts/manageability">http://www.fujitsu.com/fts/manageability</a>

**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 EMEIA)
Warranty type	Bring-in Service / Collect & Return Service (depending on country)
Warranty Terms & Conditions	<a href="http://www.fujitsu.com/warranty">http://www.fujitsu.com/warranty</a>
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: <a href="https://support.ts.fujitsu.com/">https://support.ts.fujitsu.com/</a> 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	at least 5 years after shipment, for details see <a href="https://support.ts.fujitsu.com/">https://support.ts.fujitsu.com/</a>
Service Weblink	<a href="http://www.fujitsu.com/emeia/products/product-support-services/">http://www.fujitsu.com/emeia/products/product-support-services/</a>

## 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: FPCBP594BQ
			Order Code: FPCBP594BR

# More information

## Fujitsu products, solutions & services

In addition to Fujitsu Notebook LIFEBOOK U7412, 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/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu Notebook LIFEBOOK U7412, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

[www.fujitsu.com/emeia/products/computing/pc/notebooks/index.html](http://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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The overall product has been designed and manufactured for general office use, regular personal use and ordinary industrial use.

## Contact

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