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 0.99 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 0.99 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	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	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 ** Processor supports Intel® vPro® Enterprise ***Processor supports Intel® vPro® Essential
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/m² (Touch), 800:1 (typ) (Touch)
	33.8 cm (13.3-inch), HD, 1,366 x 768 pixel, Anti-glare display, 250 cd/m² (HD), 500:1 (typ) (HD)
	33.8 cm (13.3-inch), FHD, 1,920 x 1,080 pixel, Anti-glare IPS display, 400 cd/m² (FHD), 1500:1 (typ) (FHD)
	33.8 cm (13.3-inch), FHD, 1,920 x 1,080 pixel, Anti-glare IPS display, 300 cd/m² (FHD), 800:1 (typ) (FHD)
	33.8 cm (13.3-inch), FHD, 1,920 x 1,080 pixel, Anti-glare ePrivacyFilter, 400 cd/m² (ePF), 1000:1 (typ) (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

Fujitsu recommends Windows 11 Pro.

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			
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			
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)			
Thunderbolt™ 4 total	2x Type-C with USB4 (40 Gbps, Power Delivery (15W), DP 1.4 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			
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	Thunderbolt™ 4 PR	Mechanical PR Model: NPR50
DC-in	1 (19V/90W required)	1 (20V/170W required)	1 (20V/170W required)	1 (19V/90W required)
Power on switch	1	1	1	1
Audio: line-in / line-out	1	1	1	1
Audio: comments	Combo jack for headset usage	Combo jack for headset usage	Combo jack for headset usage	Combo-Port

Port Replicator interfaces (optional)				
USB 3.2 Gen1 (5 Gbps) total	3x Type-A - 5V/0.9A, 4.5W 1x Type-C - 15W	---	---	4x Type-A 2x Type-C
USB 3.2 Gen2 (10 Gbps) total	---	2x Type-A - 5 V/0.9 A, 4.5 W 1x Type-A - 5 V/2.4 A, 12 W 2x Type-C - 5 V/1.5 A, 4.5 W charging port	2x Type-A - 5 V/0.9 A, 4.5 W 1x Type-A - 5 V/2.4 A, 12 W 2x Type-C - 5 V/1.5 A, 4.5 W charging port	---
USB 4.0 Gen3 (20 Gbps) total	---	1x Type-C - TBT4 up to 60 W (PD v2.0-1.1), 5-20 V/3. 0A upstream (PC), Intel AMT support (vPRO) to client 1x Type-C - TBT4 up to 15 W (PD v2.0-1.1), 5 V/3.0 A downstream, power output to peripheral	1x Type-C - TBT4 up to 60 W (PD v2.0-1.1), 5-20 V/3. 0A upstream (PC), Intel AMT support (vPRO) to client 1x Type-C - TBT4 up to 15 W (PD v2.0-1.1), 5 V/3.0 A downstream, power output to peripheral	---
DisplayPort	1x v1.2	2x v1.4++	2x v1.4++	2 (up to 2x 3840x2160 60Hz)
VGA	1	---	---	1 (up to 1920x1200 6Hz)
HDMI text	1 -Supports 4k@60Hz as specified in HDMI 2.0b	1 - supports 4k@60Hz as specified in HDMI 2.0b	1 - Supports 4k@60Hz as specified in HDMI 2.0b	1 -Supports 4k@60Hz as specified in HDMI 2.0b
Interface Notes	1x USB Type-C to Client - Up to 60 W (PD v2.0-1.1) power output to client or 4.5W input	1x USB Type-C to Client - Thunderbolt™ 4 up to 60 W (PD v2.0-1.1), 5-20V/3.0A upstream (PC), Intel AMT support (vPRO)	1x USB Type-C to Client - Thunderbolt™ 4 up to 60 W (PD v2.0-1.1), 5-20V/3.0A upstream (PC), Intel AMT support (vPRO)	---
Kensington Lock support	no	1	1	1 (lock Portrep only)
Ethernet (RJ-45)	1 (10/100/1000)	1 (10/100/1000 Mbit/s, 2,5 Gbps)	1 (10/100/1000 Mbit/s, 2,5 Gbps)	1 (10/100/1000)
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	v5.3 hardware ready but may run at lower version due to OS limitation			
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.			
LTE/UMTS/GPS notes	Optional			
Integrated WWAN	(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			
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	12 h (up to)			

Power supply	
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)	308 x 199.5 x 18.9 mm
	12.13 x 7.85 x 0.74 inch
Weight	0.99 kg (starting from)
Weight (lbs)	starting from 2.18 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)
Europe	CE CB
USA/Canada	FCC (depending on configuration)
Global	TCO Certified 9.0 ENERGY STAR® 8.0 EPEAT® Gold (dedicated regions)
China	CCC (depending on configuration)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates
Additional Software	
Additional software (preinstalled)	Microsoft Office (1 month trial for new Microsoft® Office 365 customers. Buy Microsoft Office.) McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Fujitsu Plugfree Network (network management utility) Fujitsu Anytime USB Charge Utility Fujitsu Function Manager Fujitsu Battery Utility Fujitsu DeskUpdate (driver and utility tool)
Additional software (optional)	Drivers & Utilities DVD (DUDVD) Recovery DVD for Windows® Nero Essentials XL Microsoft® Office Professional 2021 Microsoft® Office Home and Business 2021 (Need to buy license to activate the pre-installed Microsoft Office. Purchase and activation only in the region in which it was acquired.)
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

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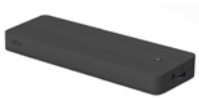
Manageability	
Supported standards	WMI (Windows Management Instrumentation) PXE (Preboot Execution Environment) DMI (Desktop Management Interface) SMBIOS (System Management BIOS) CIM (Common Information Model) BootP (made4you)
Manageability link	https://www.fujitsu.com/global/products/computing/pc/manageability/

Security	
Physical Security	Kensington Lock support
System and BIOS Security	User and supervisor BIOS password EraseDisk
User Security	Embedded fingerprint sensor (optional) Embedded PalmSecure® sensor (optional) Smartcard reader (optional) TPM 2.0 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	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

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 U7x13, U7x12, E5x13, 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
USB-C Travel Hub		Connect to your peripherals. Adapt to the task on demand. The Fujitsu Accessory USB-C Travel Hub supports you to get your peripheral devices connected easily. Multiply your USB ports to connect your peripherals as well as your external display via DisplayPort or HDMI or VGA. You can also charge your external USB devices without the need of any additional charger. Take the USB-C Travel Hub with you wherever you go - you don't want to miss it in future.	Order Code: S26391-F6007-L153
Car Adapter USB-C-QC		One Car Adapter fits all. Independent of your mobile device charging method this car adapter will fulfill all major requirements and standards for fast charging vendorbrand-independent notebooks and all mobile devices. The Car Adapter USB-C-QC supports USB PD with PPS, Quick Charge (QC), Apple- and Samsung charge.	Order Code: S26391-F2613-L630
Prestige Case Mini 13 (2021)		The Prestige Case Mini 13 protects notebooks with up to 13-inch screens. One main compartment has a notebook and a tablet pocket. You find two more useful compartments at the front. One with a red inlay is for accessories or power cable. An additional front compartment is for smaller things.	Order Code: S26391-F1120-L151
CANVAS HANSEN 14		The PLEVIER CANVAS HANSEN 14 leather and canvas case is a compact and classic carrier for on the go. Available for notebooks up to 14 inches with two compartments and two accessory sections, protection for your device ensured. A subtle design canvas and nappa leather shade.	Order Code: S26391-F1193-L67
Wireless Mouse WI860 BTC		The Wireless Mouse WI860 BTC can be paired with up to 3 different clients, 2x Bluetooth and 1x wireless USB Type-C dongle. With the blue optical sensor, it works on nearly all surfaces with an 3-step adjustable DPI selector (800/1600/2400). The mouse charges wirelessly through Qi or by USB Type-C cable. A utility button on the side is programmable. The default functions are optimized for Teams calls.	Order Code: S26381-K474-L100

Fujitsu recommends Windows 11 Pro.

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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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.
Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective owner, the use of which by third parties for their own purposes may infringe the rights of such owner.
The overall product has been designed and manufactured for general office use, regular personal use and ordinary industrial use.

Contact
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