

Fujitsu recommends Windows 10 Pro for business.

# Data Sheet

## FUJITSU Notebook LIFEBOOK U7311

### Ultra-Mobile Meets Ultra Secure

The FUJITSU Notebook LIFEBOOK U7311, based on the 11th generation Intel® Core™ processor, is a slim and stylish ultra-mobile notebook for business professionals. With its 13.3-inch screen, light weight of 1.17 kg, Intel® Thunderbolt™ 4 ports, it provides excellent mobility and portability. Ergonomic viewing is guaranteed along with outstanding security with the PalmSecure™ or finger print sensor.

#### 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 19.2 mm ultra-mobile notebook starts at 1.17 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 finger print 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 and TPM 2.0

#### 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, full-size VGA port and USB Type-C

#### Convenient upgradeability

Direct access to key components reduces upgrade time and costs

- Battery, memory and internal storage can be changed easily

#### Family concept

Shared family port replicator with the LIFEBOOK E5 Series ensures ultimate flexibility and shared workplace concepts

- Reduce your acquisition costs as well as the complexity of your IT equipment



# Components

Base unit	LIFEBOOK U7311
<b>Operating systems</b>	
Operating system pre-installed	Windows 10 Pro. Fujitsu recommends Windows 10 Pro for business. Windows 10 Home
Operating system notes	Windows 10 Support: After the end of the product life FUJITSU will continue to test and support all upcoming Windows 10 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 10 Semi-Annual-Channel Support” at <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a> .
<b>Processor</b>	
	Intel® Core™ i7-1185G7 processor (4 Cores / 8 Threads)
	Intel® Core™ i7-1165G7 processor (4 Cores / 8 Threads) *
	Intel® Core™ i5-1145G7 processor (4 Cores / 8 Threads)
	Intel® Core™ i5-1135G7 processor (4 Cores / 8 Threads) *
	Intel® Core™ i3-1125G4 processor (4 Cores / 8 Threads) *
	*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, 256 GB M.2 NVMe module
	PCIe-SSD, 1 TB M.2 NVMe module, SED
Hard disk notes	Accessible capacity may vary, also depending on used software.
<b>3G/4G (optional)</b>	
	LTE Sierra Wireless EM7421 (Cat.7) (Downlink speed up to 300 Mbit/s, Uplink speed up to 150 Mbit/s)
	LTE Fibocom L850-GL (Cat.9) (Downlink speed up to 450 Mbit/s, Uplink speed up to 50 Mbit/s)
<b>Display</b>	
	33.8 cm (13.3-inch),LED backlight,(HD),Anti-glare display,magnesium,1,366 x 768 pixel,500:1,250 cd/m <sup>2</sup>
	33.8 cm (13.3-inch),LED backlight,(Full HD),Anti-glare touchscreen,magnesium,1,920 x 1,080 pixel,800:1,300 cd/m <sup>2</sup>
	33.8 cm (13.3-inch),LED backlight,(Full HD),Anti-glare ePrivacyFilter,magnesium,1,920 x 1,080 pixel,1000:1,400 cd/m <sup>2</sup>
	33.8 cm (13.3-inch),LED backlight,(Full HD),Anti-glare display,magnesium,1,920 x 1,080 pixel,700:1,300 cd/m <sup>2</sup>
<b>Multimedia</b>	
Camera	Built-in webcam (HD) with Status LED
	Built-in Infrared 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 U7311
<b>General system information</b>	
Chipset	Integrated
Built-in memory	8 GB
Supported capacity RAM (min.)	8 GB
Supported capacity RAM (max.)	40 GB
Memory slots	1 SO DIMM (DDR4, 3200 MHz)

## General system information

Memory notes	Dual channel support
LAN	Built-in 10/100/1,000 MBit/s Intel® I219LM
Integrated WLAN	Intel WiFi 6 AX201
BIOS version	UEFI Specification 2.7
BIOS features	InsydeH2O BIOS
Audio type	On board
Audio codec	Realtek ALC255
Audio features	2x built-in speakers (stereo)

## Display

Display notes	HD - Viewing angle: Left/Right 45°, Top 20°, Bottom 40°; Color Gamut: 45% FHD - Viewing angle: Left/Right 85°, Top 85°, Bottom 85°; Color Gamut: 72%
Brightness - typical	HD - 250cd/m <sup>2</sup> , FHD - 300 cd/m <sup>2</sup> , Touch - 300 cd/m <sup>2</sup> , ePrivacy - 400 cd/m <sup>2</sup>
Contrast - typical	HD - 500:1, FHD - 700:1, Touch - 800:1, ePrivacy - 1000:1

## Graphics

Base unit	LIFEBOOK U7311
TFT resolution (HDMI)	Up to 4,096 x 2,160 pixel (30 Hz)
TFT resolution (VGA)	up to 1,920 x 1,200
Graphics brand name	Intel® UHD Graphics (with Single channel memory), Intel® Iris® Xe Graphics (with Dual channel memory)
Graphics features	3 Display Support DirectX® 12 OpenGL® 4.5
Graphics notes	Shared memory depending on main memory size and operating system

## Interfaces

DC-in	1
Audio: line-out / headphone	1 (combo port with Audio line-in)
Audio: line-in / microphone	1 (combo port with Audio line-out)
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 (1x with Power Delivery functionality)
USB Type-C	USB 4.0 Gen3 (20 Gbps), Intel® Thunderbolt™ 4 (40Gbps), Power Delivery (15W), DP out
VGA	1
DisplayPort	1 (via USB Type-C adapter) - v1.4
HDMI	1 v2.0
Ethernet (RJ-45)	1 (with status LED)
Memory card slots	1 SD 3.0 Standard SD/microSD card: 2GB SDHC/microSDHC card: 32GB SDXC/microSDXC card: 2TB Speed Class: up to UHS-I (104MB/s)
SmartCard slot	1 (optional)
SIM card slot	1 (Micro-SIM, only for models with integrated 4G/LTE module)
Docking connector for Port Replicator	1
Kensington Lock support	1

## Port Replicator interfaces (optional)

	Thunderbolt™ 4 PR	Model: NPR46 (mech. PR)	USB Type-C PR	Thunderbolt™ 3 PR Model: NPR48
DC-in	1 (20V/170W required)	1 (19V/90W required)	1 (19V/90W required)	1 (20V/170W required)
Power on switch	1	1	1	1
Audio: headphone	---	1	---	---
Audio: microphone	---	1	---	---
Audio: comments	1 Combo jack for headset usage	---	1 Combo jack for headset usage	1 Combo jack for headset usage

**Port Replicator interfaces (optional)**

USB 3.2 Gen1 (5 Gbps) total	---	4x Type-A 2x Type-C	---	---
DisplayPort	2 (up to 2560 x 1600), DP 1.4++	2 (up to 2x 3840x2160 60Hz)	1 (up to 2560 x 1600)	2 (up to 2560 x 1600)
VGA	---	1 (up to 1920x1200 6Hz)	1 up to 1920x1200 @ 60Hz depending on FJ mobile client	---
DVI	---	1 (up to 1920x1200 60Hz)	---	---
HDMI text	1 x 2.0b	---	1	1 x 2.0b
Interface Notes	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	---	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 - TBT3 up to 60 W (PD v2.0-1.1), 5-20V/3.0A upstream (PC) 1x Type-C - TBT3 up to 15 W (PD v2.0-1.1), 5V/3.0A downstream, power output to client
Kensington Lock support	1	1 (Portrep only, Portrep option with key lock to secure Portrep & System)	no	1
Ethernet (RJ-45)	1	---	---	---
Notes	RJ-45:10/100/1000 MBits/s LAN WoL from S0 to S5 state depending on Fujitsu Mobile Client Intel AMT support (vPRO) PXE launching depending on Fujitsu Mobile Client User MAC address setting MAPT from 10th gen Downwards compatible to Thunderbolt3 and Type C (end device needs to have a Thunderbolt3 or Type C interface)	1 RJ45 (10/100/1000)	1 RJ45 (10/100/1000) WoL from S3 state WoL from S4 / S5 / G3 depending on Fujitsu mobile client Launch of PXE for dedicated FJ mobile clients Set the MAC address by the user MAPT from 9th gen	RJ-45:10/100/1000 MBits/s LAN WoL from S0 to S5 state depending on Fujitsu Mobile Client PXE launching depending on Fujitsu Mobile Client User MAC address setting MAPT from 9th gen Downwards compatible to Thunderbolt3 and Type C (end device needs to have a Thunderbolt3 or Type C interface)

**Keyboard and pointing devices**

Keyboard w/o touchstick (spill-resistant), Keyboard w/ touchstick, Backlight keyboard w/o touchstick  
Number of keyboard keys: 85, Keyboard pitch: 19 mm, Keyboard stroke: 1.7 mm  
Multi gesture touchpad with two mouse buttons  
Status LED  
Power Button

**Wireless technologies**

Antennas	2 Dual band WLAN antennas, 2 LTE antennas optional
Bluetooth	v5.1
Integrated WLAN	Intel WiFi 6 AX201
WLAN encryption	WPA/WPA2/WPA3 (Wi-Fi Protected Access)
WLAN notes	Import and usage according to country-specific regulations.
Integrated LTE or UMTS	LTE Sierra Wireless EM7421 (cat.7) LTE Fibocom L850-GL (cat.9)
LTE/UMTS/GPS notes	Including GPS functionality Import and usage according to country-specific regulations. LTE Connection Manager (if configured with 4G/LTE)
GPS	Embedded in 4G 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
AC Adapter	19 V / 65 W (3.42 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) slim and light AC-Adapter
AC Adapter	19 V / 90 W (4.74 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) AC-Adapter
AC Adapter	19 V / 90 W (4.74 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) AC-Adapter
AC Adapter	20 V / 65 W (3.25 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) Type-C AC-Adapter
Notes	65W AC Adapter for usage with system/ 90W AC Adapter for usage with Port Replicator
1st battery options	Lithium polymer battery 4-cell, 4,170 mAh, 60 Wh
1st battery	Lithium polymer battery 4-cell, 60 Wh
Battery features	Quick Charge: 80% in 1h
Runtime 1st battery	10 h 26 min
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
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**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	311.4 x 216.8 x 19.2mm (non-touch and touch) mm 12.26 x 8.54 x 0.76 (non-touch and touch) inch
Weight	from 1.17 kg
Weight (lbs)	from 2.58 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 U7311
Model	7U13A2
Germany	GS planned (Full HD Display only)
Europe	CE CB
USA/Canada	FCC (depending on configuration) (planned)
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) TCO Certified 8.0 (depending on configuration) EPEAT® Silver (dedicated regions), depending on configuration ENERGY STAR® 8.0 MIL-STD-810H tested
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 (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink YouCam (webcam software) Microsoft® Office Professional 2019 Microsoft® Office Home and Business 2019 (A Microsoft Account is required to activate each copy of these products. For purchase and activation only in the region in which it was acquired.)

Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) WoL (Wake on LAN) Intel® vPro™ technology
Manageability software	DeskView Client DeskView Instant BIOS Management
DeskView components	Inventory Management BIOS Management Driver Management Security Management Alarm 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	EraseDisk Trusted Platform Module (TPM 2.0)
User Security	Embedded PalmSecure™ sensor (optional) Embedded fingerprint sensor (optional) Access protection via internal SmartCard reader (optional) Hard disk password User and supervisor BIOS password

### Warranty

Warranty period	2 years (for countries within EMEA)
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>

### Product Support Services - the perfect extension

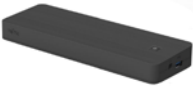

Recommended Service	9x5, Onsite Response Time: Next Business Day
Spare Parts availability	5 years after end of product life
Service Weblink	<a href="http://www.fujitsu.com/emeia/products/product-support-services/">http://www.fujitsu.com/emeia/products/product-support-services/</a>

## Recommended Accessories

Port Replicator for LIFEBOOK U7 and E5 family with key lock (2020)



Flexibility, expandability, desktop replacement, investment protection – to name just a few benefits of Fujitsu's docking options. Order Code: S26391-F1607-L219

USB Type-C Port Replicator 2		<p>Connect to your peripherals. Adapt to the task on demand. The universal USB Type-C connection helps you to get your peripheral devices connected easily. Enhance your USB connection options, connect your displays via HDMI, DisplayPort or VGA and charge your device without an additional charger.</p> <p>Weight: 334 g, Dimensions: 219 x 75 x 22.9 mm (front) – 26.0 mm (back), including 90 W AC adapter and Type-C cable</p>	<p>Order Code: S26391-F3327-L100</p>
Thunderbolt™ 3 Port Replicator		<p>One cable, many capabilities - Connect, save space, and keep your desk tidy. With Thunderbolt™ 3 you can connect almost everything with only one cable and in highspeed. Enhance your USB connection options, connect your displays via Thunderbolt™ 3, HDMI, DisplayPort and charge your device without an additional charger. Thunderbolt™ 3 allows you to connect even highspeed devices in a most convenient way.</p> <p>Weight: 440 g, Dimensions: 239 x 80 x 26 mm, including 170 W AC adapter and TBT cable</p>	<p>Order Code: S26391-F3357-L100</p>

## More information

### Fujitsu products, solutions & services

In addition to FUJITSU Notebook LIFEBOOK U7311, 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 U7311, 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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