

# Data Sheet

## FUJITSU Notebook LIFEBOOK® U749

### Ultra-Mobile Meets Ultra Secure

The new LIFEBOOK U749 is a slim and light ultra-mobile notebook based on the 8th generation Intel® Core® processor for business professionals seeking optimum mobility for business trips and ergonomics in the office. The 14-inch screen, light weight of 3.15 lbs., Intel® Thunderbolt™ ports, and 12 hours battery runtime enables it to provide excellent mobility and portability. Ergonomic viewing, outstanding security with the integrated PalmSecure® or finger print sensor, and a smart design makes it the notebook of choice in today's modern workstyle.

#### Elegant design and mobility

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

- A remarkable slim 0.75 ins. ultra-mobile notebook starting from 3.15 lbs., HD or FHD display, antiglare, FHD touch panel option, aluminum/magnesium housing and optional backlit keyboard

#### 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, trusted Platform Module 2.0, integrated SmartCard reader

#### Premium connectivity

Stay flexible and productive within a modern workplace environment

- Compact and versatile Intel® Thunderbolt™ 3 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®
- Embedded WLAN and Bluetooth®

#### 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

- Shared components such as the same classic or USB Type-C port replicator, AC Adapter, keyboard layout, BIOS and bit image across the ultra-mobile LIFEBOOK U family



# Components

<b>Base unit</b>	LIFEBOOK U749
<b>Operating systems</b>	
<b>Operating system pre-installed</b>	Windows® 10 Pro. Fujitsu recommends Windows 10 Pro. Windows 10 Home
<b>Processor</b>	Intel® Core® i7-8665U processor (4 Cores / 8 Threads, 1.9 GHz, up to 4.8 GHz) Intel® Core® i7-8565U processor (4 Cores / 8 Threads, 1.8 GHz, up to 4.6 GHz) * Intel® Core® i5-8365U processor (4 Cores / 8 Threads, 1.6 GHz, up to 4.1 GHz) Intel® Core® i5-8265U processor (4 Cores / 8 Threads, 1.6 GHz, up to 3.9 GHz) * Intel® Core® i3-8145U processor (2 Cores / 4 Threads, 2.1 GHz, up to 3.9 GHz) * *Processor only for retail, SMB, education and government
<b>Memory modules</b>	4 GB (1 module(s) 4 GB) DDR4, 2,400 MHz, SO DIMM 8 GB (1 module(s) 8 GB) DDR4, 2,400 MHz, SO DIMM 16 GB (1 module(s) 16 GB) DDR4, 2,400 MHz, SO DIMM
<b>Hard disk drives (internal)</b>	SSD SATA III, 1024 GB M.2 module, SED SSD SATA III, 512 GB M.2 module, SED SSD SATA III, 256 GB M.2 module, SED SSD SATA III, 256 GB M.2 module PCIe-SSD, 1024 GB M.2 NVMe module, SED PCIe-SSD, 512 GB M.2 NVMe module, SED PCIe-SSD, 256 GB M.2 NVMe module, SED
<b>Hard disk notes</b>	One Gigabyte equals one billion 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 Internal storage interface: S-ATA III or PCIe
<b>Interface add on cards/components (optional)</b>	
<b>WLAN (optional)</b>	Intel® Dual Band Wireless-AC9560 11ac with integrated Bluetooth® 5.0
<b>Display</b>	14-inch, LED backlight, (HD), Anti-glare display, magnesium, 1,366 x 768 pixel, 350:1, 220 cd/m <sup>2</sup> 14-inch, LED backlight, (Full HD), Anti-glare IPS touchscreen, magnesium, 1,920 x 1,080 pixel, 700:1, 260 cd/m <sup>2</sup> 14-inch, LED backlight, (Full HD), Anti-glare IPS display, magnesium, 1,920 x 1,080 pixel, 700:1, 300 cd/m <sup>2</sup>
<b>Multimedia</b>	
<b>Camera</b>	Optional: Built-in webcam, HD (Microsoft® Lync™)
<b>Camera notes</b>	720p, 1 megapixels, 1280 x 720
<b>Microphone</b>	dual digital array microphone

## Base unit

<b>Base unit</b>	LIFEBOOK U749
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**General system information**

Chipset	Integrated
Supported capacity RAM (max.)	32 GB
Memory slots	2 SO DIMM (DDR4, 2400 MHz)
LAN	10/100/1,000 MBit/s Intel® I219LM
BIOS version	UEFI Specification 2.5
BIOS features	InsydeH20 Bios
Audio type	On board
Audio codec	Realtek® ALC255 with MaxxAudio
Audio features	Stereo speakers
MIL-STD tested	Yes, selected MIL-STD-810G tests passed. MIL-STD-810G test results are not a guarantee of future performance under identified test conditions. Accidental damage is not covered under standard international limited warranty.

**Display**

Display notes	ISO 9241-307 - Pixel class II 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%
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**Graphics**

Base unit	LIFEBOOK U749
TFT resolution (DisplayPort)	up to 4,096 × 2,160
TFT resolution (HDMI)	up to 1,920 × 1,200
TFT resolution (VGA)	up to 1,920 × 1,200
TFT resolution (DVI on Port Replicator)	up to 1,920 × 1,200
Graphics brand name	Intel® UHD Graphics 620
Graphics features	3 Display Support
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 3.1 Gen1 (USB 3.0) total	2x Type-A (1 with Anytime USB charge functionality)
USB 3.1 Gen2 total	1 x Intel® Thunderbolt™ (backward compatible)
USB Type-C	USB 3.1 Gen2 (10 Gbps), Intel® Thunderbolt™ 3 (20/40Gbps), Power Delivery (15W), DP 1.4
VGA	1
DisplayPort	1 (via USB Type-C adapter)
HDMI®	1
Ethernet (RJ-45)	1 (with status LED)
Memory card slots	1 - SD/microSD card : 2GB - SDHC/microSDHC card : 32GB - SDXC card : 512GB - microSDXC card : 200GB (or 128GB) Speed Class: up to UHS-I
SmartCard slot	1 (optional)

**Port Replicator interfaces (optional)**

	Model: NPR46
DC-in	1 (19V)
Power on switch	1
Audio: headphone	1
Audio: microphone	1

**Port Replicator interfaces (optional)**

USB 3.1 Gen1 (USB 3.0) total	4x Type-A 2x Type-C
DisplayPort	2
VGA	1
DVI	1
Ethernet (RJ-45)	1 (10/100/1000)
Kensington® Lock support	1 (Portrep only, Portrep option with key lock to secure Portrep & System)

**Keyboard and pointing devices**

Keyboard w/o touchstick (spill-resistant); Keyboard w/ touchstick; Backlight keyboard w/o touchstick (spill-resistant)  
 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
Bluetooth	v5.0
WLAN encryption	WEP, WPA, WPA2
WLAN notes	Import and usage according to country-specific regulations.

**Power supply**

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 19 V / 90 W (4.74 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) AC-Adapter
Notes	65W/80W AC Adapter for usage with system/ 90W AC Adapter for usage with Port Replicator
1st battery options	Lithium polymer battery 4-cell, 50 Wh
1st battery	Lithium polymer battery 4-cell
Battery features	Quick Charge: 80% in 1 h
Runtime 1st battery	up to 14 hrs.
Battery notes	Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2014 (office productivity). 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)	13.09 x 9.21 x 0.75 (non-touch and touch) inch
Weight (lbs)	From 3.28 (non-touch), 3.63 (touch) lbs
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	41 - 95 °F
Operating relative humidity	20 - 80 %

**Product**

Compliance with standards	FCC Part 15B Class B and FCC Part 15C; FCC Part 15E; FCC Part 22/24/27; IC ICES-003 Class B and RSS-210; UL-cUL Listed; RF Human exposure Standard; ENERGY STAR® Qualified MIL-STD-810G. Qualifies for treatment as U.S. Trade Agreements Act ("TAA") compliant finished product. Global RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 7.1
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**Additional Software**

<b>Additional software (preinstalled)</b>	McAfee® LiveSafe™ (provides award-winning antivirus protection for your PC and much more. 30 days trial pre-installed) Waves MaxxAudio (audio enhancer) Fujitsu Battery Utility Fujitsu Function Manager
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<b>Additional software (optional)</b>	Microsoft Office (buy license to activate the pre-installed Microsoft Office) Recovery DVD for Windows
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**Manageability**

<b>Manageability technology</b>	PXE 2.1 Boot code Wake up from S5 (off mode) WoL (Wake on LAN) Intel® vPro® technology iAMT 11.6 (depending on processor)
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<b>Supported standards</b>	WMI (Windows Management Instrumentation) PXE (Preboot Execution Environment) DMI (Desktop Management Interface) SMBIOS (System Management BIOS) CIM (Common Information Model)
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**Security**

<b>System and BIOS Security</b>	Absolute Persistence® technology capable BIOS Optional: Trusted Platform Module (TPM 2.0)
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<b>User Security</b>	Embedded PalmSecure sensor (optional) Embedded fingerprint sensor (optional) Access protection via internal SmartCard reader (optional) Hard disk password User and supervisor BIOS password Workplace Protect (secure authentication solution) Fujitsu AuthConductor (biometric authentication solution)
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**Warranty period**

<b>Warranty Terms &amp; Conditions</b>	<a href="http://solutions.us.fujitsu.com/www/content/support/mobile/warranty/warranty_terms.php">http://solutions.us.fujitsu.com/www/content/support/mobile/warranty/warranty_terms.php</a>
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<b>Service Weblink</b>	<a href="https://www.shopfujitsu.com/store/Service.jsp">https://www.shopfujitsu.com/store/Service.jsp</a>
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# More information

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In addition to FUJITSU Notebook LIFEBOOK U749, 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

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### More information

Learn more about FUJITSU Notebook LIFEBOOK U749, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <https://www.fujitsu.com/us/>

### 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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