



Data Sheet

FUJITSU Notebook LIFEBOOK U748

Ultra-Mobile Meets Ultra Secure

Fujitsu recommends Windows® 10 Pro

The FUJITSU Notebook LIFEBOOK® U748, based on the 8th generation Intel® Core® processor is a slim, light and stylish ultra-mobile notebook for business professionals who are always on the move. With its 14-inch (35.6 cm) display and light weight of only 3.28 lbs. (1.49 kg) it provides excellent mobility.

Ergonomic viewing is ensured with the anti-glare HD, FHD or optional FHD touch display options and the embedded palm vein or finger print sensor provide outstanding security. Smart design combines legacy interfaces like full-size VGA and easy upgradeability with a thin and durable housing. The common port replicator of the LIFEBOOK U family facilitates workplace sharing within today's modern workstyle.

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

Elegant design and mobility

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

- A remarkably slim 0.75-inch (19mm) ultra-mobile notebook starting from 3.28 lbs. (1.49 kg), HD or FHD display, anti- glare, 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

- Embedded palm vein or fingerprint sensor, Trusted Platform Module 2.0, integrated SmartCard reader

Premium connectivity

Stay flexible and productive within a modern workplace environment

- Full set of interfaces with full-size LAN connector, full-size VGA port and USB Type-C
- WLAN and Bluetooth



Components

Fujitsu recommends Windows® 10 Pro

Base unit	LIFEBOOK U748
Operating systems	Windows 10® Pro 64-bit Windows 10® Home 64-bit
Processor	8th Generation Intel® Core® i7-8650U vPro® processor (1.9 GHz, up to 4.2 GHz, 8 MB Cache) 8th Generation Intel® Core® i7-8550U processor (1.8 GHz, up to 4.0 GHz, 8 MB Cache) * 8th Generation Intel® Core® i5-8350U vPro® processor (1.7 GHz, up to 3.6 GHz, 6 MB Cache) 8th Generation Intel® Core® i5-8250U processor (1.6 GHz, up to 3.4 GHz, 6 MB Cache) * 7th Generation Intel® Core® i5-7300U vPro® processor (2.6 GHz, up to 3.5 GHz, 3 MB Cache) 7th Generation Intel® Core® i5-7200U processor (2.5 GHz, up to 3.1 GHz, 3 MB Cache) * 8th Generation Intel® Core® i3-8xxxU processor (2.7 GHz, 3 MB Cache) * <small>*Processor only for retail, SMB, education and government</small>
Memory modules	4 GB DDR4, 2133/2400 MHz, SO-DIMM Module 8 GB DDR4, 2133/2400 MHz, SO-DIMM Module 16 GB DDR4, 2133/2400 MHz, SO-DIMM Module Note: 2133MHz for DC CPU and 2400MHz for QC CPU
Hard disk drives	256 GB M.2 SATA SSD 256 GB M.2 SATA SED/OPAL SSD 512 GB M.2 SATA SED/OPAL SSD 1 TB M.2 SATA SED/OPAL SSD 256 GB M.2 PCIe NVMe SED/OPAL SSD 512 GB M.2 PCIe NVMe SED/OPAL SSD 1 TB M.2 PCIe NVMe SED/OPAL SSD
Hard disk notes	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. All hard disk drives utilize an internal shock sensor to protect your data.
LCD Display	14.0" (35.6 cm) HD anti-glare, 1366 x 768 pixel, 350:1, 220cd/m ² 14.0" (35.6 cm) FHD anti-glare, 1920 x 1080 pixel, 700:1, 300cd/m ² 14.0" (35.6 cm) FHD Touchscreen, anti-glare, 1920 x 1080 pixel, 700:1, 300cd/m ²
LCD Display Notes	Brightness can vary based on screen treatment or film.
WLAN	Intel® Dual Band Wireless-AC 8265 2x2 ac/a/b/g/n with integrated Bluetooth®
Bluetooth	Bluetooth® v4.1
Multimedia	
Camera	Optional HD webcam with status LED

Base Unit

Fujitsu recommends Windows® 10 Pro

Base Unit	LIFEBOOK U748
General system information	
Chipset	Integrated
Chipset Notes	Intel® vPro® support requires a configuration with Intel® vPro® CPU, Intel® Dual Band Wireless-AC 8265 WLAN, and TPM 2.0 module
Supported capacity RAM (max.)	32 GB
Memory slots	2 DIMM (DDR4)
Memory notes	Memory speed up to 2400 MHz with Quad Core CPU, and up to 2133 MHz with Dual Core CPU
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
Display	
Display notes	HD - Viewing angle: Left/Right 45°, Top 20°, Bottom 45°; Color Gamut: 45% FHD - Viewing angle: Left/Right 85°, Top 85°, Bottom 85°; Color Gamut: 72%
Graphics	
TFT resolution (DisplayPort)	up to 4,096 × 2,160
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 with 8th Generation Quad Core CPUs Intel® HD Graphics 620 with 7th Generation Dual Core CPUs
Graphics features	3 Display Support (2 external, 1 internal)
Graphics notes	Shared memory depending on main memory size, CPU 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	2x USB 3.0 Type-A (1 with Anytime USB charge functionality) 1x USB 3.1 (Gen 1) Type-C (with support for Power Delivery and DisplayPort™)
VGA	1
DisplayPort	1
Ethernet (RJ-45)	1 (10/100/1000) with status LED
Memory card slots	1 (SD up to 2 GB, SDHC up to 32 GB, SDXC up to 128 GB)
SmartCard slot	1 (optional)
Port Replicator interfaces (optional)	
DC-in	1 (19V)
Power on switch	1

Base Unit

Audio: headphone	1
Audio: microphone	1
USB	4x USB 3.1 Type-A 2x USB 3.1 (Gen 1) Type-C
DisplayPort	2 - 1 DP (next to DVI) is shared with DVI, works when DVI not connected
VGA	1
DVI-D	1 - shared with DP (next to DVI) - works when DP (next to DVI) not connected
Ethernet (RJ-45)	1 (10/100/1000)
Kensington Lock support	1 (Port rep & System)
eSATA	1
Keyboard and pointing devices	
	Anti-microbial, spill-resistant, isolation keyboard
	Backlit, spill-resistant, isolation keyboard
	Number of keyboard keys: 85, Keyboard pitch: 19 mm, Keyboard stroke: 1.7 mm
	Multi gesture precision touchpad with two mouse buttons
	Status LED
	Power Button
Wireless technologies	
Antennas	2 Dual band WLAN antennas
Bluetooth	v4.1
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 AC Adapter for use with system / 90W AC Adapter for use with Port Replicator
Main battery	Lithium polymer battery 4-cell, 50 Wh
Runtime main battery	up to 13 hours, 40 minutes with HD Display up to 11 hours, 30 minutes with FHD Display (non-touch)
Battery notes	Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2014 (office productivity). 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.
Dimensions / Weight / Environmental	
Dimensions (W x D x H) (inches)	13.09 x 9.21 x 0.75 inches 332.6 x 234 x 19.0mm (non-touch and touchscreen)
Weight	Starting at 3.28 lbs. (non-touch); 3.64 lbs. (touchscreen) 1.49 kg. (non-touch); 1.65 kg. (touchscreen)
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	41 - 95° F (5 - 35° C)
Operating relative humidity	20 - 80 %

Base Unit

Compliance with standards

North America	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; EPEAT® Gold (depending on your configuration). 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 EPEAT Gold (dedicated regions)

Additional Software

Additional software (preinstalled)	McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version) Waves MaxxAudio (audio enhancer) Fujitsu Battery Utility Fujitsu Function Manager LIFEBOOK Application Panel
Additional software (optional)	Microsoft Office (buy license to activate the pre-installed Microsoft Office) Fujitsu Workplace Protect Recovery DVD for Windows®

Manageability

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

Security

System and BIOS Security	Absolute Persistence® technology capable BIOS Optional: Trusted Platform Module (TPM 2.0)
User Security	Integrated palm vein 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)

Warranty

Standard Warranty	One Year Fujitsu International Limited Warranty, 24/7 technical support; Fujitsu extended service plans available
Warranty Terms & Conditions	http://www.fujitsu.com/us/support/

Recommended Accessories	USB Type-C Dock, Mechanical Port Replicator, Memory Expansion, M.2 SSD Storage, AC Adapter, 4-cell 50 Wh main battery, Notebook Mouse, Kenneth Cole Reaction Expandable Backpack
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Fujitsu green policy innovation

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Contact

FUJITSU AMERICA, INC.
Address: 1250 East Arques Avenue Sunnyvale, CA 94085-3470, U.S.A.
Telephone: 800 831 3183 or 408 746 6000
Website: www.fujitsu.com/us
Contact Form: us.fujitsu.com/ContactFujitsu

Have a question? Email us at: AskFujitsu@us.fujitsu.com