Fujitsu recommends Windows 10 Pro.

# Data Sheet
# FUJITSU Notebook LIFEBOOK U748

## Ultra-Mobile Meets Ultra Secure

The new LIFEBOOK U748, based on the 8th generation Intel® Core™ processor is a slim and light ultra-mobile notebook for business professionals supporting optimum mobility for business trips and ergonomics in the office. With its 35.6 cm (14-inch) and light weight of only 1.49 kg (3.28 lbs.) it provides excellent mobility. Ergonomic viewing is guaranteed 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 remarkable slim 19 mm ultra-mobile notebook starting from 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 finger print 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
- Embedded 4G/LTE, WLAN and Bluetooth

Fujitsu recommends Windows 10 Pro.

# Components

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|---|---|
| **Base unit** | LIFEBOOK U748 |
| **Operating systems** | |
| **Operating system pre-installed** | Windows 10 Pro. Fujitsu recommends Windows 10 Pro.<br>Windows 10 Home |
| **Processor** | Intel® Core™ i7-8650U processor (1.9 GHz, up to 3.9 GHz, 8 MB) |
| | Intel® Core™ i7-8550U processor (1.8 GHz, up to 3.7 GHz, 8 MB) * |
| | Intel® Core™ i5-8350U processor (1.7 GHz, up to 3.6 GHz, 6 MB) |
| | Intel® Core™ i5-8250U processor (1.6 GHz, up to 3.4 GHz, 6 MB) * |
| | Intel® Core™ i5-7300U processor (2.6 GHz, up to 3.5 GHz, 3 MB) |
| | Intel® Core™ i5-7200U processor (2.5 GHz, up to 3.1 GHz, 3 MB) * |
| | *Processor only for retail, SMB, education and government |
| **Memory modules** | 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 |
| **Hard disk drives (internal)** | SSD SATA III, 1024 GB M.2 module, OPAL capable |
| | SSD SATA III, 512 GB M.2 module, OPAL capable |
| | SSD SATA III, 256 GB M.2 module, OPAL capable |
| | 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 |
| **Hard disk notes** | One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.<br>Accessible capacity may vary, also depending on used software.<br>Up to 20 GB of HDD space is reserved for system recovery<br>Internal storage interface: S-ATA III or PCIe |
| **Interface add on cards/components (optional)** | |
| **3G/4G (optional)** | LTE Sierra Wireless EM7455 (Cat. 6) (Downlink speed up to 300 Mbit/s, Uplink speed up to 50 Mbit/s) |
| | LTE Sierra Wireless EM7305 (Cat. 3) (Downlink speed up to 100 Mbit/s, Uplink speed up to 50 Mbit/s) |
| **WLAN (optional)** | Intel® Dual Band Wireless-AC8265 11ac with integrated Bluetooth 4.2 |
| **Display** | 35.6 cm (14-inch),LED backlight,(HD),Anti-glare display,magnesium,1,366 x 768 pixel,350:1,220 cd/m² |
| | 35.6 cm (14-inch),LED backlight,(Full HD),Anti-glare IPS touchscreen,magnesium,1,920 x 1,080 pixel,700:1,260 cd/m² |
| | 35.6 cm (14-inch),LED backlight,(Full HD),Anti-glare IPS display,magnesium,1,920 x 1,080 pixel,700:1,300 cd/m² |
| **Multimedia** | |
| **Camera** | Optional: Built-in webcam, HD (Microsoft® Lync™) |

# Base unit

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| **Base unit** | LIFEBOOK U748 |

Fujitsu recommends Windows 10 Pro.

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| **General system information** | |
| **Processor** | Intel® Core™ processor<br><br>() |
| **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.<br>MIL-STD-810G test results are not a guarantee of future performance under identified test conditions.<br>Accidental damage is not covered under standard international limited warranty. |
| **Display** | |
| **Display notes** | ISO 9241-307 - Pixel class II<br>HD - Viewing angle: Left/Right 45°, Top 20°, Bottom 40°; Color Gamut: 45%<br>FHD - Viewing angle: Left/Right 85°, Top 85°, Bottom 85°; Color Gamut: 72% |
| **Graphics** | |
| **Base unit** | LIFEBOOK U748 |
| **TFT resolution (DisplayPort)** | up to 4,096 × 2,160 |
| **TFT resolution (VGA)** | up to 1,920 x 1,200 |
| **TFT resolution (DVI on Port Replicator)** | up to 1,920 x 1,200 |
| **Graphics brand name** | Intel® UHD Graphics 620, Intel® HD 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)<br>1x Type-C (with Power Delivery functionality) |
| **USB Type-C** | 1 |
| **VGA** | 1 |
| **DisplayPort** | 1 |
| **Ethernet (RJ-45)** | 1 (with status LED) |
| **Memory card slots** | 1 microSD up to 2GB, microSDHC up to 32GB, microSDXC up to 128GB<br>Speed Class: up to UHS-I |
| **SmartCard slot** | 1 (optional) |
| **SIM card slot** | 1 (only for models with integrated 4G/LTE module) |
| **Port Replicator interfaces (optional)** | |
| **DC-in** | 1 (19V) |
| **Power on switch** | 1 |
| **Audio: headphone** | 1 |
| **Audio: microphone** | 1 |
| **USB 3.1 Gen1 (USB 3.0) total** | 4x Type-A<br>2x Type-C |
| **DisplayPort** | 2 |
| **VGA** | 1 |

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|---|---|
| **Port Replicator interfaces (optional)** | |
| **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<br>Status LED<br>Power Button |
| **Wireless technologies** | |
| **Antennas** | 2 Dual band WLAN antennas, 2 LTE antennas optional |
| **Bluetooth** | v4.2 |
| **WLAN encryption** | WEP, WPA, WPA2 |
| **WLAN notes** | Import and usage according to country-specific regulations. |
| **GPS** | Embedded in 3G/4G module if configured with WWAN |
| **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 / 80 W (4.22 A), 100 V - 240 V, 50 Hz - 60 Hz, 3-pin (grounded) 0-Watt AC Adapter technology |
| | 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 13h 40min |
| **Battery notes** | Battery runtime information is based on worldwide acknowledged BAPCo® MobileMark® 2014 (office productivity). Refer to www.bapco.com for additional details.<br>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)** | 332.6 x 234 x 19.0 (non-touch and touch) mm |
| | 13.09 x 9.21 x 0.75 (non-touch and touch) inch |
| **Weight** | From 1.49kg (non-touch). 1.65 kg (touch) |
| **Weight (lbs)** | From 3.28 (non-touch), 3.63 (touch) lbs |
| **Weight notes** | Weight may vary depending on actual configuration |
| **Operating ambient temperature** | 5 - 35 °C (41 - 95 °F) |
| **Operating relative humidity** | 20 - 80 % |
| **Product** | |
| **Europe** | CE<br>CB |
| **Compliance link** | https://sp.ts.fujitsu.com/sites/certificates |

| Additional Software | |
|---|---|
| **Additional software (preinstalled)** | McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version)<br>Waves MaxxAudio (audio enhancer)<br>Fujitsu Plugfree Network (network management utility)<br>Fujitsu Anytime USB Charge Utility<br>Fujitsu Battery Utility<br>Fujitsu Function Manager<br>Fujitsu DeskUpdate (driver and utility tool) |
| **Additional software (optional)** | Microsoft Office (buy license to activate the pre-installed Microsoft Office)<br>CyberLink YouCam (webcam software)<br>Drivers & Utilities DVD (DUDVD)<br>Recovery DVD for Windows® |

| Manageability | |
|---|---|
| **Manageability technology** | DeskUpdate Driver management<br>PXE 2.1 Boot code<br>Wake up from S5 (off mode)<br>WoL (Wake on LAN)<br>Intel® vPro™ technology<br>iAMT 11.6 (depending on processor) |
| **Manageability software** | DeskView Client<br>DeskView Instant BIOS Management |
| **DeskView components** | Inventory Management<br>BIOS Management<br>Driver Management<br>Security Management<br>Alarm Management |
| **Supported standards** | WMI (Windows Management Instrumentation)<br>PXE (Preboot Execution Environment)<br>DMI (Desktop Management Interface)<br>SMBIOS (System Management BIOS)<br>CIM (Common Information Model)<br>BootP (made4you) |
| **Manageability link** | http://www.fujitsu.com/fts/manageability |

| Security | |
|---|---|
| **System and BIOS Security** | Optional: Trusted Platform Module (TPM 2.0)<br>EraseDisk (optional) |
| **User Security** | Integrated palm vein sensor (optional)<br>Embedded fingerprint sensor (optional)<br>Access protection via internal SmartCard reader (optional)<br>Hard disk password<br>User and supervisor BIOS password<br>Workplace Protect (secure authentication solution) |

| Warranty | |
|---|---|
| **Warranty period** | 2 years (for countries within EMEIA) |
| **Warranty type** | Bring-in Service / Collect & Return Service (depending on country) |
| **Warranty Terms & Conditions** | http://support.ts.fujitsu.com/warranty |

| Product Related Services - the perfect extension | |
|---|---|
| **Recommended Service** | X - 9x5, Onsite Response Time: Next Business Day |
| **Spare Parts availability** | 5 years after end of product life |
| **Service Weblink** | htttp://ts.fujitsu.com/Supportservice |

Fujitsu recommends Windows 10 Pro.

# Recommended Accessories

Fujitsu recommends Windows 10 Pro.

# More information

## Fujitsu products, solutions & services

In addition to FUJITSU Notebook LIFEBOOK U748, 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 U748, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/mobile

## 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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