

Fujitsu recommends Windows 10 Pro.

# Data Sheet

## FUJITSU Desktop ESPRIMO Q956

The Mini with More PC per cm<sup>3</sup>

The FUJITSU ESPRIMO Q956 mini PC provides excellent performance, high energy efficiency and manageability. The Intel® Core™ processor and Intel® vPro™ technology combined with the DeskView manageability suite support professional computing and sophisticated manageability. With its innovative Low Power Active Mode feature you are ready for instant communication in the modern office. Experience a cleaner, quieter workplace with Zero Noise PC function and the small footprint of the FUJITSU ESPRIMO Q956.

### An elegant mini PC for the modern office environment

Eye-catching exclusive modern design

- Fully equipped PC with a volume of ~2.0 liters - based on standard desktop technology

### Always Available Office PC - stay connected and save power

Be ready for instant communication and significantly reduce your energy bill

- Innovative Low Power Active Mode and highly-efficient integrated power-supply

### Unleash the power

Latest Intel® technology to support your challenging business applications

- 6th generation Intel® Core™ processor family

### Sophisticated system management

Simple system administration even in complex IT infrastructures

- Intel® vPro™ technology (depending on processor) and DeskView manageability suite

### Superb usability

Efficient working environment due to a tidy desk

- Horizontal or vertical operations, an integrated VESA mount and a service door for easy upgrade of major components



# Components

<b>Processor</b>	<p>Intel® Core™ i7-6700T processor (4 Cores / 8 Threads, 2.80 GHz, up to 3.6 GHz, 8 MB, Intel® HD Graphics 530) *, **</p> <p>Intel® Core™ i5-6500T processor (4 Cores / 4 Threads, 2.50 GHz, up to 3.1 GHz, 6 MB, Intel® HD Graphics 530) *, **</p> <p>Intel® Core™ i3-6100T processor (2 Cores / 4 Threads, 3.20 GHz, 3 MB, Intel® HD Graphics 530) **</p> <p>Intel® Pentium® processor G4400T (2 Cores / 2 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics 510) **</p> <p>Intel® vPro™ Logo with Intel® Core i5 and Core i7 processors          *with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables)          **6th generation Intel® processor</p>
<b>Operating systems</b>	
<b>Operating system pre-installed</b>	<p>Windows 10 Pro. Fujitsu recommends Windows 10 Pro.</p> <p>Windows 10 Home</p> <p>Windows 7 Professional (available through downgrade rights from Windows 10 Pro)</p>
<b>Operating system compatible</b>	<p>Windows 8.1 Pro (available through downgrade rights from Windows 10 Pro)</p> <p>openSUSE Linux</p>
<b>Memory modules</b>	<p>4 GB (1 module(s) 4 GB) DDR4, non-ECC, 2,133 MHz, SO DIMM</p> <p>8 GB (1 module(s) 8 GB) DDR4, non-ECC, 2,133 MHz, SO DIMM</p> <p>16 GB (1 module(s) 16 GB) DDR4, non-ECC, 2,133 MHz, SO DIMM</p>
<b>Hard disk drives (internal)</b>	<p>SSD PCIe, 1024 GB M.2 NVMe Highend module</p> <p>SSD PCIe, 512 GB M.2 NVMe Highend module</p> <p>SSD PCIe, 256 GB M.2 NVMe Highend module</p> <p>SSD SATA, 512 GB, M.2 module</p> <p>SSD SATA, 256 GB, M.2 module</p> <p>SSD SATA, 128 GB, M.2 module</p> <p>SSD SATA III, 512 GB, 2.5-inch</p> <p>SSD SATA III, 256 GB, 2.5-inch</p> <p>SSD SATA III, 128 GB, 2.5-inch</p> <p>SSD SATA III, 512 GB, 2.5-inch, SED</p> <p>SSD SATA III, 256 GB, 2.5-inch, SED</p> <p>HDD SATA III, 7,200 rpm, 1000 GB, 2.5-inch, enhanced availability</p> <p>HDD SATA III, 7,200 rpm, 500 GB, 2.5-inch, enhanced availability</p> <p>HDD SATA III, 7,200 rpm, 500 GB, 2.5-inch</p> <p>HDD SATA II, 5,400 rpm, 1,000 GB, 2.5-inch*</p> <p>HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch*</p>
<b>Hard disk notes</b>	<p>Up to 20 GB of HDD space is reserved for system recovery</p> <p>SSHD (Solid State Hard Disk, Hybrid drive)</p> <p>SSD (Solid State Disk)</p> <p>SED (Self-Encrypting Drive)</p>
<b>Graphics</b>	DP to DVI-D (single link) Adapter Cable
<b>Drives (optional)</b>	<p>BD Triple Writer SATA ultra slim (tray)</p> <p>DVD Super Multi ultra slim (tray)</p>
<b>Interface add on cards/components (optional)</b>	M.2 WLAN 802.11ac (2x2) and BT 4.1 (dedicated regions only, up to BT 4.2 depending on OS version)

# Base unit

Base unit	ESPRIMO Q956
<b>Mainboard</b>	
Mainboard type	D3413
Formfactor	proprietary
Chipset	Intel® Q170
Processor socket	LGA 1151
Processor quantity maximum	1
Supported capacity RAM (max.)	32 GB
Memory slots	2 DIMM (DDR4)
Memory frequency	2,133 MHz
Memory notes	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same
LAN	10/100/1,000 MBit/s Intel® I219LM
Integrated WLAN	1 (optional with Bluetooth together)
BIOS version	AMI Aptio V UEFI Specification 2.4
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI) CSM (Compatibility Support Module)
Audio type	On board
Audio codec	Realtek ALC671
Audio features	Internal speaker supports audio playback (optional), High Definition audio
<b>I/O controller on board</b>	
Serial ATA total	2
thereof SATA III	2
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI
<b>Interfaces</b>	
Audio: line-out	1
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	2
USB 3.1 Gen1 (USB 3.0) total	6
USB front	2x USB 3.0
USB rear	2x USB 2.0 and 4x USB 3.0
VGA	optional: via external active adapter cable
DisplayPort	2
DVI	1 (DVI-D)
Serial (RS-232)	1 9pin, 16 byte FIFO, 16550 compatible
Mouse / Keyboard (PS/2)	0/1 optional (with PC on/off function on Pin6)
Ethernet (RJ-45)	1
Interface Module notes	Anytime USB charge functionality
<b>Input device / components</b>	
Input devices (optional)	Keyboard Mouse KBPC PX ECO Mouse M440 ECO

**Drive bays**

Drive bays total	3
2.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	slim tray for 5.25"; M.2-2280 for SSD
M.2-2280	1 x 1 on mainboard (for PCIe or SATA SSD modules)
Mini PCI slots	
M.2-2230	on mainboard for WLAN module

**Graphics on board**

Graphics brand name	Intel® HD Graphics 510, Intel® HD Graphics 530
Shared video memory	up to 1,782 MB
TFT resolution (DVI)	1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel 1,920 x 1,200 pixel
TFT resolution (DisplayPort)	1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel 1,920 x 1,200 pixel 2,560 x 1,440 pixel 2,560 x 1,600 pixel 3,840 x 2,160 pixel 4,096 x 2,304 pixel
Graphics features	Support for up to three independent displays DirectX® 12 HDCP support OpenCL™ 2.0 (requires Intel® Core™ i3, i5 or i7 processors) OpenGL® 4.4 One DisplayPort connector can be converted to DVI-D or HDMI with an optional external adapter DisplayPort interface supports Ver. 1.2 incl. Multi-Stream DVI-D interface supports audio output for HDMI monitors
Graphics notes	up to 1 GB dedicated video memory (main memory owned and locked for graphics use) Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size and operating system Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz

**Electrical values**

Power efficiency note	power supply efficiency (at 230V; 2 Watt/ 10% / 20% / 50% / 100% load) : > 85%/ 90% / 90% / 92% / 92%
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	65 W (integrated in system)
Power factor correction/active power	No (meets input harmonic current according EN61000-3-2)

**Power consumption**

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=94e60bbb-bc3b-4a9a-9ef2-03b5596c7aab">http://docs.ts.fujitsu.com/dl.aspx?id=94e60bbb-bc3b-4a9a-9ef2-03b5596c7aab</a>

**Heat dissipation**

Heat dissipation notes	See white paper Energy Consumption
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**Noise emission**

<b>Related Processors for noise</b>	Intel® Core™ i5 6600T
<b>Standard noise emission</b>	According to ISO 7779:2010, ECMA-74 2x4 GB, HDD, ODD, Windows According to ISO 7779:2010, ECMA-74
<b>Standard noise notes / description</b>	A-weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A))
<b>Standard noise operation mode: CPU 50% load</b>	3.4 B / 21 dB(A) Bystander; 24 dB(A) Operator position
<b>Standard noise operation mode: HDD load</b>	3.3 B / 20 dB(A) Bystander; 21 dB(A) Operator position
<b>Standard noise operation mode: Idle mode</b>	3.1 B / 18 dB(A) Bystander; 19 dB(A) Operator position
<b>Standard noise operation mode: ODD load</b>	4.3 B / 30 dB(A) Bystander; 34 dB(A) Operator position
<b>Standard noise operation mode: Office applications 2.0</b>	3.2 B / 18 dB(A) Bystander; 19 dB(A) Operator position
<b>Blue angel noise emission according certification</b>	According to ISO 7779:2010, ECMA-74 for max. possible configuration
<b>Blue angel noise notes / description</b>	A-weighted sound power level L <sub>wad</sub> (in B); 1B = 10dB
<b>Blue angel noise operation mode: HDD load</b>	3.3 B = 33 dB (A)
<b>Blue angel noise operation mode: Idle mode</b>	3.1 B = 31 dB (A)
<b>Blue angel noise operation mode: ODD load</b>	4.5 B = 45 dB (A)

**Dimensions / Weight / Environmental**

<b>Dimensions (W x D x H)</b>	186 x 191 x 59 mm 7.32 x 7.49 x 2.30 inch
<b>Operating position</b>	Vertical / horizontal (no feet needed)
<b>VESA mount</b>	integrated (100 mm & 75 mm), applicable for selected monitors only, additional mounting kit for specific monitors optional
<b>Weight</b>	1.6 kg
<b>Weight (lbs)</b>	3.53 lbs
<b>Weight notes</b>	Weight may vary depending on actual configuration (without ODD)
<b>Operating ambient temperature</b>	10 - 35 °C (50 - 95 °F)
<b>Operating relative humidity</b>	5 - 85 % (relative humidity)
<b>Product</b>	ESPRIMO Q956
<b>Model</b>	MPC3
<b>Germany</b>	GS (planned)
<b>Europe</b>	CE
<b>USA/Canada</b>	FCC Class B cCSAus
<b>Global</b>	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) EPEAT® Gold (dedicated regions) ENERGY STAR® 6.1 (dedicated regions)
<b>China</b>	CCC China RoHS
<b>Compliance notes</b>	This product is free of polyvinyl chloride (PVC) when ordered with the optional PVC free power cord
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

<b>Additional software (preinstalled)</b>	Adobe® Reader® (pdf reader) McAfee Multi Access Security (anti-virus and internet security software; 60 days trial version) Win7: Fujitsu Recovery (hard disk based recovery) Win8: Microsoft Push Button Recovery (hard disk based recovery) Microsoft Office (buy license to activate the pre-installed Microsoft Office)
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<b>Additional software (optional)</b>	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™) CyberLink PowerDVD DVD (playback software for DVD) Nero Essentials XL
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**Manageability**

<b>Manageability technology</b>	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) WoL (Wake on LAN) iAMT 11.0 (depending on processor)
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<b>Manageability software</b>	DeskView Client DeskView Instant BIOS Management
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<b>DeskView components</b>	BIOS Management incl. Security Inventory Management Driver Management Alarm Management
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<b>Supported standards</b>	DMI (Desktop Management Interface) SMBIOS (System Management BIOS) PXE (Preboot Execution Environment) WMI (Windows Management Instrumentation) WBEM (Web Based Enterprise Management) CIM (Common Information Model)
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<b>Manageability link</b>	<a href="http://www.fujitsu.com/fts/manageability">http://www.fujitsu.com/fts/manageability</a>
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**Security**

<b>Physical Security</b>	Kensington Lock support Intrusion switch (optional) Eye for padlock Housing Lock Spring (to use with Kensington lock), (optional)
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<b>System and BIOS Security</b>	Embedded security (TPM 2.0) EraseDisk (optional) Boot sector virus protection Write protect option for the Flash EPROM Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
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<b>User Security</b>	User and supervisor BIOS password Hard disk password Access protection via internal SmartCard reader (optional) Access protection via external SmartCard reader (optional) Embedded palm vein sensor (optional) Workplace Protect (secure authentication solution)
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<b>Workplace Embedded Tools</b>	Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server (optional) Easy PC Protection (optional)
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<b>Security notes</b>	Choose people over passwords. Protect your business with PalmSecure technology <a href="http://choosepeopleoverpasswords.global.fujitsu.com/">http://choosepeopleoverpasswords.global.fujitsu.com/</a>
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**Miscellaneous**

Keyboard on (special Fujitsu keyboard required and PS/2 option) Thermal management Low Power Active Mode Extended lifetime
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**Serviceability**

EasyChange for HDD  
EasyChange for optical drives

**Packaging information**

Packaging dimension (mm)	395 x 198 x 284 mm
Packaging dimension (inch)	15.55 x 7.8 x 11.18 inch
Max. quantity / pallet	84
Material - Weight (g) Carton	670 g
Material - Weight (lbs) Carton	1.48 lbs
Material - Weight (g) EPS / PS	10 g
Material - Weight (lbs) EPS / PS	0.02 lbs
Material - Weight (g) PE	125 g
Material - Weight (lbs) PE	0.28 lbs
Packaging notes	If keyboard is included in packaging: 1.) packaging dimension is increasing to: 500 x 208 x 290mm / (19.69 x 8.19 x 11.42 inch); 2.) material weight of carton will increase to 880g; 3.) max. quantity/pallet = 56; printed user documentation is bleached in chlorin free process;

**Warranty**

Warranty period	3 years (depending on country)
Warranty type	Bring-In / Onsite Service (for countries within region EMEA, for all other countries depending on local regulations)
Warranty Terms & Conditions	<a href="http://support.ts.fujitsu.com/warranty">http://support.ts.fujitsu.com/warranty</a>
<b>Product Related Services - the perfect extension</b>	
Recommended Service	X - 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/fts/services/support">http://www.fujitsu.com/fts/services/support</a>

## Recommended Accessories

**MicroSaver Slim 2.0**

The new Fujitsu Kensington MicroSaver 2.0 slim features the patented T-Bar locking mechanism with carbon tempered steel core cable and an external braided steel sheath. The MicroSaver slim 2.0 is available with Kensington Master Access. This security solution allows you to manage and maintain a limitless number of locks with a master key.

Order Code:  
S26361-F1650-L202

**Universal Monitor Stand**

Save desk space without compromising performance or productivity with the Universal Monitor Stand that brings together a FUJITSU Desktop ESPRIMO Q mini PC or FUJITSU Thin Client FUTRO and a VESA compatible FUJITSU Display. For optimum ergonomics the height and tilt angle of the display can be adjusted, helping you to stay productive and comfortable, whilst hassle-free installation of the devices on the stand makes the life of your IT department easier.

Order Code:  
S26361-F2601-L700

**Blue LED Mouse GL9000**

Blue LED Mouse GL9000 comes in a slim design with proven Fujitsu engineering quality. The state-of-the-art blue LED sensor enables ultra precise switchable resolution at 1,000, 1,500 and 2,000 dpi. Blue LED Mouse GL9000 makes your life easier because it's tailor-made for right handed users. It just feels great in your hand.

Order Code:  
S26381-K438-L100

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**UC&C USB Value Headset**



The FUJITSU UC&C USB Value Headset is a lightweight bi-aural full-size stereo headset with high wearing comfort. This Lync-tested USB-Headset has an appropriate Inline-Controller which supports easy call management. A noise cancelling microphone facilitates undisturbing clear phone calls.

Order Code:  
S26391-F7139-L20

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**Keyboard KB900**



The KB900 is a very flat keyboard with extra low keys and spill-resistant protection. The elegant design and top-quality construction makes the KB900 the ideal input device for any PC or Notebook user. If you accidentally spill some water or coffee onto the keyboard, this special construction helps the liquid to flow away.

S26381-K560-L4\*\* (\*\*:  
Country specific variation)



# More information

## Fujitsu products, solutions & services

In addition to FUJITSU Desktop ESPRIMO Q956, 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 Desktop ESPRIMO Q956, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts/ESPRIMO](http://www.fujitsu.com/fts/ESPRIMO)

## 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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