FUJITSU

# Data Sheet
## FUJITSU Desktop ESPRIMO Q956/MRE

### Meeting Room Edition

Today's business world needs smarter meeting spaces — conference rooms that guarantee that meetings can start on time and that can seamlessly and wirelessly connect all employees from any location. With a FUJITSU ESPRIMO Q956/MRE mini PC in the conference room and the Intel® Unite™ application running on devices, meetings always get off to a good start. Participants can easily view and interact with content in real time, and colleagues sitting side by side can even share screens wirelessly long after the meeting is over.

**Easy-to-Use collaboration solution**
Employees can meet and work together more productively
■ Transform existing conference rooms into smart, connected places to meet

**Enhanced usability**
Eliminates dongles, cables, and meeting delays via the integrated solution
■ Fewer wires but faster meetings

**Seamless collaboration**
Wireless collaboration starts here
■ All participants can see and interact with content in real time

**Safer meetings**
Intel® Unite™ powers secure, connected meeting spaces
■ Protect meeting access with a secure, alternating PIN code

**Lower Total Cost of Ownership**
Make the most out of your existing IT investments
■ Utilizing the power of Intel® vPro™ technology

# Components

| | |
|---|---|
| Processor | Intel® Core™ i5-6500T processor (4 Cores / 4 Threads, 2.50 GHz, up to 3.1 GHz, 6 MB, Intel® HD Graphics 530) * |
| | Intel® vPro™ technology<br>*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables) |
| **Operating systems** | |
| Operating system | Windows 10 Pro |
| **Memory modules** | 4 GB (1 module(s) 4 GB) DDR4, non-ECC, 2,133 MHz, SO DIMM |
| **Hard disk drives (internal)** | SSD SATA III, 128 GB Entry, 2.5-inch |
| **Hard disk notes** | Up to 20 GB of HDD space is reserved for system recovery<br>SSD (Solid State Disk) |
| **Graphics** | DP to DVI-D (single link) Adapter Cable |
| **Drives (optional)** | BD Triple Writer SATA ultra slim (tray) |
| | DVD Super Multi ultra slim (tray) |
| **Interface add on cards/components (optional)** | |
| | M.2 WLAN 802.11ac (2x2) and BT 4.1 (dedicated regions only, up to BT 4.2 depending on OS version) |

# Base unit

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|---|---|
| Base unit | ESPRIMO Q956/MRE |
| **Mainboard** | |
| Mainboard type | D3413 |
| Formfactor | proprietary |
| Chipset | Intel® Q170 |
| Processor socket | LGA 1151 |
| Processor quantity maximum | 1 |
| LAN | 10/100/1,000 MBit/s Intel® I219LM |
| Integrated WLAN | 1 (optional with Bluetooth together) |
| BIOS version | AMI Aptio V |
| BIOS features | BIOS Flash EPROM update by software<br>Recovery BIOS<br>Unified Extensible Firmware Interface (UEFI)<br>CSM (Compatibility Support Module) |
| Audio type | On board |
| Audio codec | Realtek ALC671 |
| Audio features | Internal speaker supports audio playback (optional), High Definition audio |
| **I/O controller on board** | |
| Serial ATA total | 2 |
| thereof SATA III | 2 |
| Controller functions | Serial ATA III (6 Gbit)<br>NCQ<br>AHCI |
| **Interfaces** | |
| Audio: line-out / headphone | 2 |

## Interfaces

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|---|---|
| Audio: line-in / microphone | 1 |
| USB 2.0 total | 2 |
| USB 3.0 total | 6 |
| USB front | 2x 3.0 |
| USB rear | 2x 2.0 and 4x 3.0 |
| 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 |

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|---|---|
| Drive bays total | |
| 2.5-inch internal 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) |

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| Mini PCI slots | |
| M.2-2230 | on mainboard for WLAN module |

## Graphics on board

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

## Electrical values

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|---|---|
| Power efficiency note | power supply efficiency (at 230V; 10% / 20% / 50% / 100% load) : 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 |

### Electrical values

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| 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

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

### Heat dissipation

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| Heat dissipation notes | See white paper Energy Consumption |

### Noise emission

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

### Dimensions / Weight / Environmental

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|---|---|
| Dimensions (W x D x H) | 186 x 191 x 59 mm<br>7.32 x 7.52 x 2.32 inch |
| Operating position | Vertical / horizontal (no feet needed) |
| VESA mount | integrated (100mm), applicable for selected monitors only, additional mounting kit for specific monitors optional |
| Weight | 1.6 kg |
| Weight (lbs) | 3.53 lbs |
| Weight notes | Weight may vary depending on actual configuration (without ODD) |
| Operating ambient temperature | 10 - 35 ℃ (50 - 95 ℉) |
| Operating relative humidity | 5 - 85 % (relative humidity) |

## Compliance

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|---|---|
| Product | ESPRIMO Q956 |
| Model | MPC3 |
| Germany | GS (planned) |
| Europe | CE |
| USA/Canada | FCC Class B<br>cCSAus |
| Global | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronic equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>EPEAT® Gold (dedicated regions) (planned)<br>ENERGY STAR® 6.1 (dedicated regions) |
| China | CCC (planned)<br>China RoHS |
| Compliance notes | This product is free of polyvinyl chloride (PVC) when ordered with the optional PVC free power cord |
| Compliance link | http://globalsp.ts.fujitsu.com/sites/certificates |

## Additional Software

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|---|---|
| Additional software (preinstalled) | Intel® Unite™ Hub (supported languages: EN, FR, IT, DE, ES)<br>Adobe® Reader® (pdf reader)<br>Microsoft Office (buy license to activate the pre-installed Microsoft Office)<br><br>Important Notice (Intel® Unite™):<br>The Fujitsu Intel® Unite™ Hardware Appliance is preconfigured for the use of the Intel® Unite™ Software Solution. The Intel® Unite™ Software is shipped by Fujitsu and provided free of charge together with the Hardware Appliance. However the Intel® Unite™ Software LICENSE is NOT part of the Fujitsu Deliverables and any and all use of the Intel® Unite™ Software, is subject to the acceptance of the Intel® Unite™ End User License Agreement to be agreed directly between Customer and Intel. Fujitsu takes no part in the licensing and therefore to the maximum extent possible, expressly disclaims and excludes any and all warranty and liability in connection with the Intel® Unite™ product and its use, except for cases where Fujitsu's own misrepresentation, intentional or gross negligent actions or omissions should give cause for such liability or where liability of Fujitsu is mandatory under applicable law. |
| Additional software (included as a CD/DVD) | Intel® Unite™ Software DVD (supported languages: EN, FR, IT, DE, ES) |

## Manageability

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|---|---|
| Manageability technology | DeskUpdate Driver management<br>PXE 2.1 Boot code<br>Wake up from S5 (off mode)<br>Intrusion switch (optional)<br>WoL (Wake on LAN)<br>iAMT 11.0 (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 | DMI (Desktop Management Interface)<br>SMBIOS (System Management BIOS)<br>PXE (Preboot Execution Environment)<br>WMI (Windows Management Instrumentation)<br>WBEM (Web Based Enterprise Management)<br>CIM (Common Information Model) |
| Manageability link | http://www.fujitsu.com/fts/manageability |

## Security

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| Physical Security | Kensington Lock support<br>Intrusion switch (optional)<br>Eye for padlock<br>Housing Lock Spring (to use with Kensington lock) |

## Security

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| System and BIOS Security | Embedded security (TPM 2.0)<br>EraseDisk (optional)<br>Boot sector virus protection<br>Write protect option for the Flash EPROM<br>Control of all USB interfaces<br>External USB ports can be disabled separately<br>Control of external interfaces |
| User Security | User and supervisor BIOS password<br>Hard disk password<br>Access protection via internal SmartCard reader (optional)<br>Access protection via external SmartCard reader (optional)<br>Workplace Protect (secure authentication solution) |
| Workplace Embedded Tools | Auto BIOS Update via Fujitsu Server<br>Auto BIOS Update via customer server (optional)<br>Easy PC Protection (optional)<br>Easy Restore (optional) |

## Miscellaneous

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|---|---|
| | GPJ:Q0956MRE0001IN, supported countries by country kit Euro-cable (INT): http://docs.ts.fujitsu.com/dl.aspx?id=708ebe77-6c80-45e8-9584-bf8e98103d64 |

## Packaging information

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|---|---|
| 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 inlcuded 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

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| Warranty period | 3 years (depending on country) |
| Warranty Terms & Conditions | http://support.ts.fujitsu.com/warranty |

### Product Support Services - the perfect extension

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|---|---|
| Recommended Service | 9x5, Onsite Response Time: Next Business Day |
| Spare Parts availability | 5 years after end of product life |
| Service Weblink | http://www.fujitsu.com/fts/services/support |

# Recommended Accessories

| MicroSaver Slim |  | The Fujitsu Kensington MicroSaver slim features the patented T-Bar locking mechanism with carbon tempered steel core cable and an external braided steel sheath. The MicroSaver slim 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:<br>S26361-F1650-L200 |
|---|---|---|---|

| 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 |
| Soundsystem Tube 2100 | | This small yet powerful Fujitsu Soundsystem Tube 2100 complements and improves your system's audio experience through a high sound quality and an extraordinary, modern design. Its compact body takes up less of your desk space and consumes little energy, achieved by automatically shutting down after fifteen minutes of standby. | Order Code: S26391-F7128-L710 |
| 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 |
| 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 accidently 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 OPTIMIZATION Services

In addition to FUJITSU Desktop ESPRIMO Q956/ MRE, 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 Desktop ESPRIMO Q956/MRE, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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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