

Fujitsu recommends Windows 10 Pro.

Data Sheet

FUJITSU Desktop ESPRIMO Q957/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 Q957/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™ i7-7700T processor (4 Cores / 8 Threads, 2.90 GHz, up to 3.8 GHz, 8 MB, Intel® HD Graphics 630) * Intel® Core™ i7-6700T processor (4 Cores / 8 Threads, 2.80 GHz, up to 3.6 GHz, 8 MB, Intel® HD Graphics 530) *, ** Intel® Core™ i5-7500T processor (4 Cores / 4 Threads, 2.70 GHz, up to 3.3 GHz, 6 MB, Intel® HD Graphics 630) * 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™ 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
Operating systems	
Operating system pre-installed	Windows 10 Pro
Memory modules	4 GB (1 module(s) 4 GB) DDR4, non-ECC, 2,400 MHz, SO DIMM 8 GB (1 module(s) 8 GB) DDR4, non-ECC, 2,400 MHz, SO DIMM 16 GB (1 module(s) 16 GB) DDR4, non-ECC, 2,400 MHz, SO DIMM
Hard disk drives (internal)	PCIe-SSD, 1024 GB M.2 NVMe module PCIe-SSD, 512 GB M.2 NVMe module PCIe-SSD, 256 GB M.2 NVMe module PCIe-SSD, 128 GB M.2 NVMe module SSD SATA, 512 GB, M.2 module SSD SATA, 256 GB, M.2 module SSD SATA, 128 GB, M.2 module SSD SATA III, 512 GB, 2.5-inch SSD SATA III, 256 GB, 2.5-inch SSD SATA III, 512 GB, 2.5-inch, SED SSD SATA III, 256 GB, 2.5-inch, SED
Hard disk notes	Up to 20 GB of HDD space is reserved for system recovery SSHD (Solid State Hard Disk, Hybrid drive) SSD (Solid State Disk) SED (Self-Encrypting Drive)
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

Base unit	ESPRIMO Q957/MRE
Mainboard	
Mainboard type	D3513
Formfactor	proprietary
Chipset	Intel® Q270
Processor socket	LGA 1151

Mainboard

Processor quantity maximum	1
Supported capacity RAM (max.)	32 GB
Memory slots	2 DIMM (DDR4)-duplicate
Memory frequency	2,400 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 DDR4 2,400 MHz will be clocked with 2,133 MHz in combination with 6th generation Intel® processor
LAN	10/100/1,000 MBit/s Intel® I219LM
Integrated WLAN	1 (optional with Bluetooth together)
BIOS version	AMI Aptio V UEFI Specification 2.5
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

I/O controller on board

Serial ATA total	2
thereof SATA III	2
Controller functions	Serial ATA III (6 Gbit) NCQ AHCI

Interfaces

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	7
USB front	2x USB 3.0 and 1x USB 3.1 Type-C (Gen1)
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

Input device / components

Input devices (optional)	Keyboard Mouse KBPC PX ECO Mouse M440 ECO
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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)

Slots	
M.2-2230	on mainboard for WLAN module
Graphics	
Graphics brand name	Intel® HD Graphics 530, Intel® HD Graphics 630
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	http://docs.ts.fujitsu.com/dl.aspx?id=84543802-fb10-464e-a406-9d28984f7652
Heat dissipation	
Heat dissipation notes	See white paper Energy Consumption
Noise emission	
Related Processors for noise	Intel® Core™ i7 7700T
Standard noise emission	According to ISO 7779:2010, ECMA-74 2x4 GB, HDD, ODD, Windows 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))

Noise emission

Standard noise operation mode: CPU 50% load	3.4 B / 22 dB(A) Bystander; 24 dB(A) Operator position
Standard noise operation mode: HDD load	3.1 B / 17 dB(A) Bystander; 18 dB(A) Operator position
Standard noise operation mode: Idle mode	3.0 B / 17 dB(A) Bystander; 17 dB(A) Operator position
Standard noise operation mode: ODD load	4.4 B / 31 dB(A) Bystander; 35 dB(A) Operator position
Standard noise operation mode: Office applications 2.0	3.0 B / 17 dB(A) Bystander; 17 dB(A) Operator position
Blue angel noise emission according certification	According to ISO 7779:2010, ECMA-74 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	3.5 B = 35 dB (A)
Blue angel noise operation mode: Idle mode	3.1 B = 31 dB (A)
Blue angel noise operation mode: ODD load	4.4 B = 44 dB (A)

Dimensions / Weight / Environmental

Dimensions (W x D x H)	186 x 191 x 59 mm 7.32 x 7.49 x 2.30 inch
Operating position	Vertical / horizontal (no feet needed)
VESA mount	integrated (100 mm & 75 mm), 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 °C (50 - 95 °F)
Operating relative humidity	5 - 85 % (relative humidity)

Compliance

Product	ESPRIMO Q957
Model	MPC3
Germany	GS (planned)
Europe	CE
USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) EPEAT® Gold (dedicated regions) (planned) ENERGY STAR® 6.1 (dedicated regions)
China	CCC (planned) China RoHS
Compliance notes	This product is free of polyvinyl chloride (PVC) when ordered with the optional PVC free power cord
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Additional Software

Additional software (preinstalled)	<p>Intel® Unite™ Hub (supported languages: EN, FR, IT, DE, ES) Adobe® Reader® (pdf reader) Microsoft Office (buy license to activate the pre-installed Microsoft Office)</p> <p>Important Notice (Intel® Unite™): 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.</p>
Additional software (included as a CD/DVD)	Intel® Unite™ Software DVD (supported languages: EN, FR, IT, DE, ES)

Manageability

Manageability technology	<p>DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) WoL (Wake on LAN) iAMT 11.6 (depending on processor)</p>
Manageability software	<p>DeskView Client DeskView Instant BIOS Management</p>
DeskView components	<p>BIOS Management incl. Security Inventory Management Driver Management Alarm Management</p>
Supported standards	<p>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)</p>

Security

Physical Security	<p>Kensington Lock support Intrusion switch (optional) Eye for padlock Housing Lock Spring (to use with Kensington lock), (optional)</p>
System and BIOS Security	<p>Embedded security (TPM 2.0) EraseDisk (optional) Credential Guard Ready and Device Guard Capable (Windows 10, v. 1511) 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</p>
User Security	<p>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)</p>
Workplace Embedded Tools	<p>Auto BIOS Update via Fujitsu Server Auto BIOS Update via customer server (optional) Easy PC Protection (optional)</p>
Security notes	<p>Choose people over passwords. Protect your business with PalmSecure technology #http://choosepeopleoverpasswords.global.fujitsu.com/</p>

Miscellaneous

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

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

Warranty

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

Product Support Services - the perfect extension

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

Recommended Accessories

Display Port to DVI Cable

The FUJITSU DisplayPort to DVI cable offers a fast and easy way to connect every device with a DisplayPort interface to any DVI display or projector.

Order Code:
S26391-F6055-L270

DisplayPort to VGA Adapter

The FUJITSU DisplayPort to VGA Adapter offers a fast and easy way to connect every device with a DisplayPort interface to any VGA display or projector. As more and more systems will no longer provide VGA interfaces, this adapter is enabling even slightly older analog devices to carry on being used.

Order Code:
S26391-F6055-L280

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

More information

Fujitsu OPTIMIZATION Services

In addition to FUJITSU Desktop ESPRIMO Q957/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 Q957/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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