Data Sheet
FUJITSU Desktop ESPRIMO Q920/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 Q920/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™ i7-4785T processor (4 Cores / 8 Threads, 2.20 GHz, up to 3.2 GHz, 8 MB, Intel® HD Graphics 4600) *
	Intel® Core™ i5-4590T processor (4 Cores / 4 Threads, 2.00 GHz, up to 3.0 GHz, 6 MB, Intel® HD Graphics 4600) *
	Intel® vPro™ technology
	*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables)
Operating systems	
Operating system	Windows 7 Professional 64-bit
Memory modules	4 GB (1 module(s) 4 GB) DDR3, non-ECC, 1,600 MHz, PC3-12800, SO DIMM
	8 GB (1 module(s) 8 GB) DDR3, non-ECC, 1,600 MHz, PC3-12800, SO DIMM
Hard disk drives (internal)	HDD SATA II, 5,400 rpm, 500 GB, 2.5-inch*
	SSD SATA III, 256 GB, 2.5-inch
	SSD SATA III, 128 GB, 2.5-inch
	SSHD SATA III, 5,400 rpm, 500 GB, 2.5-inch
Hard disk notes	Up to 20 GB of HDD space is reserved for system recovery
	SSD (Solid State Disk)
Graphics	DP to DVI-D (single link) Adapter Cable
Drives (optional)	DVD Super Multi Slot-in slim
Interface add on cards/components (optional)	
	WLAN 802.11 a/g/n (2x2) and Bluetooth (dedicated regions only, not for Indonesia)

Base unit

Base unit	ESPRIMO Q920/MRE
Mainboard	
Mainboard type	D3233
Formfactor	proprietary
Chipset	Intel® Q87
LAN	10/100/1,000 MBit/s Intel® I217LM
Integrated WLAN	1 (optional with Bluetooth together)
BIOS version	AMI Aptio 4.6
BIOS features	BIOS Flash EPROM update by software
	Recovery BIOS
	Unified Extensible Firmware Interface (UEFI)
Audio type	On board
Audio codec	Realtek ALC671
Audio features	Buzzer
I/O controller on board	
Serial ATA total	2
thereof SATA III	2
Controller functions	Serial ATA II (3 Gbit)
	Serial ATA III (6 Gbit)
	NCQ
	AHCI

Interfaces

Audio: line-out / headphone	1
Audio: line-in / microphone	1
USB 2.0 total	2
USB 3.0 total	4
USB front	2x 3.0
USB rear	2x 2.0 and 2x 3.0
VGA	1 (via DVI to VGA adapter, part of shipment)
DisplayPort	1
DVI	1 (DVI-I)
Ethernet (RJ-45)	1
Multicardreader	1 (SD, MMC)
Interface Module notes	Anytime USB charge functionality

Graphics on board

Graphics brand name	Intel® HD Graphics, HD Graphics 4400, HD Graphics 4600 (depending on processor)
Shared video memory	up to 1,782 MB
TFT resolution (VGA)	1,024 x 768 pixel 1,280 x 1,024 pixel 1,360 x 768 pixel 1,440 x 900 pixel 1,600 x 900 pixel 1,600 x 1,200 pixel 1,680 x 1,050 pixel 1,920 x 1,080 pixel
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 (requires Intel® Core™ i3, i5 or i7 processor)
Graphics features	Dual display support DirectX® 11.1 HDCP support Open CL® 1.2 OpenGL® 4.0 One DisplayPort connector can be converted to DVI-D or HDMI with an optional external adapter
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 115V/230V; 10% / 20% / 50% / 100% load) : 83% / 87% / 90% / 88%
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

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)
Monitor outlet	No

Power consumption

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=0e991a83-7203-40df-bcba-ef37905d791f

Heat dissipation

Heat dissipation notes	See white paper Energy Consumption

Noise emission

Related Processors for noise	Intel® Core™ i5 4570T
Standard noise emission	2x2 GB, HDD, ODD, Windows According to ISO 7779:2010, ECMA-74
Standard noise operation mode: HDD load	3.0 B / 17 dB(A) Bystander ; 17 dB(A) Operator position
Standard noise operation mode: Idle mode	SSD: no noise emmision, 2.5" HDD: 3.0 B / 17 dB(A) Bystander ; 17 dB(A) Operator position
Standard noise operation mode: ODD load	4.5 B / 31 dB(A) Bystander ; 34 dB(A) Operator position
Standard noise operation mode: Office applications 2.0	SSD: no noise emmision, 2.5" HDD: 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 operation mode: HDD load	3.1 B = 31 dB
Blue angel noise operation mode: Idle mode	3.1 B = 31 dB
Blue angel noise operation mode: ODD load	4.7 B = 47 dB

Dimensions / Weight / Environmental

Dimensions (W x D x H)	185 x 191 x 58.7 mm 7.28 x 7.52 x 2.31 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 °F)
Operating relative humidity	5 - 85 % (relative humidity)

Compliance

Product	ESPRIMO Q920
Model	MPC2
Germany	TÜV GS Blauer Engel / Blue Angel
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) ENERGY STAR® 6.0 (dedicated regions)
Compliance notes	This product is free of polyvinyl chloride (PVC) when ordered with the optional PVC free power cord

Compliance

Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates

Additional Software

Additional software (preinstalled)	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) 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.
Additional software (included as a CD/DVD)	Intel® Unite™ Software DVD (supported languages: EN, FR, IT, DE, ES)

Manageability

Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) iAMT 9.0 (depending on CPU) WoL (Wake on LAN)
Manageability software	DeskView Client DeskView Instant BIOS Management
DeskView components	Inventory Management BIOS Management Driver Management Security Management Alarm Management
Supported standards	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)
Manageability link	http://www.fujitsu.com/fts/manageability

Security

Physical Security	Kensington Lock support
System and BIOS Security	Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
User Security	User and supervisor BIOS password Hard disk password

Miscellaneous

	GPJ:Q0920MRE0001IN, 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

Packaging information

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

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
Spare Parts availability	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

Recommended Accessories

USB 3.0 Port Replicator PR08		The FUJITSU USB 3.0 Port Replicator PR08 is the perfect solution for hot-desk environments. It connects your notebook to all of your peripherals with a single USB 3.0 plug. The highlight is the internal powerful Display Link chipset that offers an excellent graphic performance.	Order Code: S26391-F6007-L400
Display B22W-7 LED		The FUJITSU Display B22W-7 LED offers best ergonomics and usability for intensive office use with a 4-in-1 stand.	Order Code: S26361-K1472-V140
Display B24W-7 LED		The FUJITSU B24W-7 LED Display with excellent ergonomics makes intensive office work extremely comfortable. This highly reliable display offers superb usability and power-saving features to help reduce your labor as well as energy costs. With wide viewing angle technology, flexible connectivity, and easy manageability, the FUJITSU B24W-7 LED Display can help you improve productivity.	Order Code: S26361-K1497-V140
SOUNDSYSTEM DS E2000 Air		The new more powerful SOUNDSYSTEM DS E2000 Air gives you impressive, well-balanced sound throughout the frequency band. It is an unbeatable USB speaker set with a surprisingly small form factor. The robust satellite speakers are decorated with a deluxe piano finish and the base is adorned with warm ambient lighting.	Order Code: S26391-F7128-L600
UC&C USB Headset Stereo H650e		The UC&C USB Headset Stereo H650e is the ultimate in style and functionality. Long, uncomfortable work calls are a thing of the past thanks to the cushioned ear pads and crystal clear sound. Adjustable headband and microphone provides the perfect fit for everyone. Optimized for Microsoft® Lync™ the headset displays a red 'in-call' LED to let your co-workers know when you're available, thus helping to boost office productivity.	Order Code: S26391-F7139-L10

More information

Fujitsu OPTIMIZATION Services

In addition to FUJITSU Desktop ESPRIMO Q920/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 Q920/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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