# FUJITSU

# Data Sheet
## Fujitsu 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<br>*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables) |
| **Operating systems** | |
| Operating system pre-installed | 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<br>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<br>Recovery BIOS<br>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)<br>Serial ATA III (6 Gbit)<br>NCQ<br>AHCI |

## Interfaces

| | |
|---|---|
| Audio: line-out / headphone | 1 |
| Audio: line-in / microphone | 1 |
| USB 2.0 total | 2 |
| USB 3.1 Gen1 (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<br>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>1,600 x 1,200 pixel<br>1,680 x 1,050 pixel<br>1,920 x 1,080 pixel |
| 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 | Dual display support<br>DirectX® 11.1<br>HDCP support<br>Open CL® 1.2<br>OpenGL® 4.0<br>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)<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

| | |
|---|---|
| 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

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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 4570T |
| Standard noise emission | 2x2 GB, HDD, ODD, Windows<br>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<br>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<br>7.28 x 7.52 x 2.31 inch |
| Operating position | Vertical / horizontal (no feet needed) |
| VESA mount | integrated (100 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 Q920 |
| Model | MPC2 |
| Germany | TÜV GS<br>Blauer Engel / Blue Angel |
| 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)<br>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 link | https://sp.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>iAMT 9.0 (depending on CPU)<br>WoL (Wake on LAN) |
| 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 |
| System and BIOS Security | Boot sector virus protection<br>Write protect option for the Flash EPROM<br>Embedded security (TPM 1.2)<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 |

## 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 |
| Material - Weight (g) EPS / PS | 10 g |
| Material - Weight (lbs) EPS / PS | 0.02 lbs |

### Packaging information

| 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) |
|---|---|

### 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 |

# Recommended Accessories

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|---|---|---|---|
| **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

### More information
Learn more about Fujitsu ESPRIMO Q920/MRE, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com

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