

Fujitsu recommends Windows® 7.

# Data Sheet

## Fujitsu ESPRIMO Q900 Desktop PC

The Mini with More PC per cm

The Fujitsu ESPRIMO Q900 delivers excellent performance, energy efficiency and manageability in a mini PC. An Intel® Core™ i3 or i5 processor and Intel® vPro™ technology deliver professional computing and management. Its stylish design is also practical, with two front USB 3.0 ports for lightning fast connections.

### An elegant PC for challenging tasks

Eye-catcher on every desk with a modern and exclusive design

- Fully equipped mini PC with a volume of 1.6 liters – weighing 1.4 kg

### A black shell and a green core

The most energy-efficient computer of our Fujitsu ESPRIMO family cuts your energy bill

- Intel® Mobile Technology for 13-watt power consumption in idle mode, extended power management settings and an up to 90% energy efficient AC adapter

### Small, flexible and powerful

Intelligent performance using the latest Intel technology and high flexibility to meet all business requirements

- 2nd generation Intel® Core™ i5 processor, genuine Windows® 7 Professional, up to 8 GB memory, 500 GB hard disk drive, 5 USB 2.0 ports, 2 USB 3.0 ports, a display port and multi-card reader

### System management

Simple system administration for complex IT infrastructures

- Intel® vPro™ technology (depending on CPU) and Fujitsu DeskView manageability tools

### Quiet

Pleasant working environment due to an extremely quiet system

- New fan concept for silent operations



# Components

	*Processor only for SMB, education and government **Processor only for SMB Intel® vPro™ Logo with Intel® Core i5-2520M processor.
<b>Operating systems</b>	
Operating system	Windows® 7 Home Basic (EM) 32-bit Windows® 7 Home Premium 64-bit Windows® 7 Professional 32-bit Windows® 7 Professional 64-bit
Operating system compatible	Windows Vista® Windows® XP
Operating system notes	Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a>
<b>Hard disk drives (internal)</b>	
	SSD SATA III, 128 GB, 2.5-inch
	HDD SATA II, 7200 rpm, 320 GB, 2.5-inch
	HDD SATA II, 7200 rpm, 160 GB, 2.5-inch
	HDD SATA II, 5400 rpm, 500 GB, 2.5-inch*
Hard disk notes	*Disk imaging software of the customer must be 4k sector size / advanced format ready Up to 18 GB of HDD space is reserved for system recovery
Graphics add on cards (optional)	DP to DVI-D (single link) Adapter Cable
Base unit	ESPRIMO Q900
<b>Mainboard</b>	
Formfactor	proprietary
Chipset	Intel® QM67
Processor socket	rPGA 989A/B
Processor quantity maximum	1
Memory slots	2 SO DIMM (DDR3, 1333 MHz)
Supported capacity RAM (max.)	8 GB
Memory frequency	1333 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 In configurations with 4 GB the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems, depending on system configuration)
LAN	10/100/1000 MBit/s Intel® 82579 LM
Integrated WLAN	1 (optional)
BIOS version	AMI Aptio 4.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio codec	Realtek ALC662
Audio features	Support of high-definition audio for S/PDIF output with up to 5.1 channels
<b>I/O controller on board</b>	
Serial ATA total	1
Controller functions	Serial ATA II (3 Gbit) NCQ AHCI
<b>Interfaces</b>	
Audio: line-in	1

**Interfaces**

Audio: line-in / microphone	1
Audio: line-out / headphones / SPDIF	1 (optical)
USB 2.0 total	5
USB 3.0 total	2
USB front	2
USB rear	5
VGA	1 (via DVI to VGA adapter, part of shipment)
DisplayPort	1
DVI	1 (DVI-I)
Ethernet (RJ-45)	1
Kensington Lock support	1
Interface Module notes	Anytime USB charge functionality

**Input device / components**

Optical USB tilt wheel mouse

**Drive bays**

Drive bays total	2
2.5-inch bays	1
5.25-inch external bays	1
Drive bay notes	slim slot-in

**Graphics on board**

Graphics brand name	Intel® HD Graphics or HD Graphics 3000 (depending on CPU)
Shared video memory	up to 1759 MB
Refresh rate 1024 x 768 (recommended / max.)	- / -
Refresh rate 1280 x 1024 (recommended / max.)	- / -
Refresh rate 1600 x 1200 (recommended / max.)	- / -
TFT resolution (VGA)	1024 x 768 pixel 1280 x 1024 pixel 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1600 x 1200 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
TFT resolution (DisplayPort)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel 2560 x 1440 pixel 2560 x 1600 pixel

**Graphics on board**

Graphics features	DirectX® 10.1 support HDCP support Dual display support OpenGL® 2.1
Graphics notes	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; 20% / 50% / 100% load) : 87% / 90% / 87%
Operating voltage range	100 V - 240 V (AC Input)
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	external (90W)

**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=ca024c84-ccbf-459f-b9eb-b5fb049daa11">http://docs.ts.fujitsu.com/dl.aspx?id=ca024c84-ccbf-459f-b9eb-b5fb049daa11</a>

**Heat dissipation**

Heat dissipation notes	See white paper Energy Consumption
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**Noise for standard configuration (HDD, ODD)**

Noise emission	According to ISO9296
Related Processors for noise	Intel® Core i5-2540M
Noise Operation mode 1: ODD load (Blue angel requirement)	4.6 B / 32 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.3 B / 18 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.1 B / 27 dB(A)
Noise Operation mode 4: High load	4.1 B / 27 dB(A)
Noise Operation mode 5: Office applications	3.3 B / 18 dB(A)
Idle mode (Blue Angel requirement)	3.3 B / 19.0 dB(A)
Noise notes / description	Noise for standard configuration CPU, HDD, ODD; A weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A)), (bystander position) (ISO9296)

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	165 x 168 x 57 mm 6.5 x 6.62 x 2.25 inch
Operating position	Backpack solution (optional)
Weight	1.4 kg
Weight (lbs)	3.09 lbs
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35°C (50 - 95°F)

**Compliance**

Product	ESPRIMO Q900
Model	MPC-D1009
Europe	CE Nordic Swan
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® EPEAT® Gold (dedicated regions)
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates/">https://sp.ts.fujitsu.com/sites/certificates/</a>

**Additional Software**

<b>Additional software (preinstalled)</b>	Nero Essentials S (burning software) Fujitsu Recovery (Hard Disk Based Recovery) Norton Internet Security (incl. Firewall) 60 days version Microsoft® Office Starter: reduced-functionality Word and Excel® only, with advertising. No PowerPoint® or Outlook®. Buy Office 2010 to use the full-featured software.
<b>Additional software (optional)</b>	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) Nero 9 Essentials XL CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive / Blu-ray playback is not supported under Windows XP if the system runs on Intel onboard graphics)

**Manageability**

<b>Manageability technology</b>	PXE 2.1 Boot code Wake up from S5 (off mode) iAMT 7.0 DeskUpdate Driver management WoL (Wake on LAN)
<b>Manageability software</b>	DeskView Client DeskView Instant BIOS Management DeskView Integration for Symantec Management Platform
<b>DeskView components</b>	Inventory Management BIOS Management Driver Management Security Management Alarm Management
<b>Manageability link</b>	<a href="http://ts.fujitsu.com/manageability">http://ts.fujitsu.com/manageability</a>

**Security**

<b>System protection</b>	Kensington Lock support
<b>Audit proof protection</b>	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
<b>Access protection</b>	User and supervisor BIOS password Hard disk password Optional: Access protection via external SmartCard reader

**Packaging information**

<b>Packaging dimension (mm)</b>	395 x 198 x 284 mm
<b>Packaging dimension (inch)</b>	15.55 x 7.8 x 11.18 inch
<b>Max. quantity / pallet</b>	48
<b>Material - Weight (g) Carton</b>	670 g
<b>Material - Weight (lbs) Carton</b>	1.48 lbs
<b>Material - Weight (g) EPS / PS</b>	10 g
<b>Material - Weight (lbs) EPS / PS</b>	0.02 lbs
<b>Material - Weight (g) PE</b>	125 g
<b>Material - Weight (lbs) PE</b>	0.28 lbs
<b>Packaging notes</b>	printed user documentation is bleached in chlorin free process

**Warranty**

<b>Standard Warranty</b>	3 years
<b>Service level</b>	Bring-In / On-Site Service (depending on country)

**Maintenance and Support Services - the perfect extension**

<b>Recommended Service</b>	5x9, Response Time: Next Business Day
<b>Spare Parts availability</b>	5 years
<b>Service Weblink</b>	<a href="http://www.fujitsu.com/fts/services/support/index.html">http://www.fujitsu.com/fts/services/support/index.html</a>



## Recommended Accessories

### Wireless Keyboard Set LX900



The Wireless Keyboard LX900 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set with offers ambitious users more functions, security and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption for security.

S26381-K564-L4\*\* (\*\*: Country specific variation)

### 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)

### 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

### CELVIN® Drive M200



The CELVIN Drive M200 is an ultra-portable and high-class storage device. Since it is compatible with USB3.0 and USB 2.0, it can be used with a large variety of devices. It is ideal for notebook and desktop users. It makes data backup easier and faster than ever.

Order Code:  
S26341-F103-L500

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu ESPRIMO Q900, 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/services/computing/](http://www.fujitsu.com/global/services/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu ESPRIMO Q900, 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 resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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