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Fujitsu recommends Windows 7.

DATA SHEET
FUJITSU ESPRIMO Q9000 DESKTOP PC

THE MINI WITH MORE PC PER CM³

ESPRIMO Q9000
A real eye-catcher on your desk and anywhere else. The extremely small and elegant ESPRIMO Q9000. The mini PC combines the performance of a fully equipped Desktop PC, low energy consumption, ENERGY STAR® 5.0 certification, hardly any noise, a large number of practical connections, such as HDMI, DVI and eSATA and system management functions - all on a CD case footprint with a volume of only 1.6 liters.



AN ELEGANT PC FOR CHALLENGING TASKS
Eye-catcher on every desk with a modern and exclusive design
- A fully equipped Mini PC weighing only 1.4 kg (1.6 liter volume)

A BLACK SHELL AND A GREEN CORE
The most energy-efficient computer of our ESPRIMO series reduces your energy consumption
- Intel® mobile technology with power consumption of 19 Watts in idle mode and extended energy management settings



SMALL, FLEXIBLE AND POWERFUL
Intelligent performance using state-of-the-art Intel technology, high extendability to meet all requirements
- Up to Intel® Core™i5 processor, 4 GB memory and 500 GB hard disk drive

SYSTEM MANAGEMENT
Easy system administration for complex IT infrastructure
- Intel® vPro™ technology and DeskView manageability

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COMPONENTS

PROCESSOR	Intel® Core™ i5-560M processor (2 Cores / 4 Threads, 2.66 GHz, 3 MB, Intel® HD Graphics)
	Intel® Core™ i5-520M processor (2 Cores / 4 Threads, 2.40 GHz, 3 MB, Intel® HD Graphics)
	Intel® Core™ i3-370M processor (2 Cores / 4 Threads, 2.40 GHz, 3 MB, Intel® HD Graphics) *
	Intel® Core™ i3-350M processor (2 Cores / 4 Threads, 2.20 GHz, 3 MB, Intel® HD Graphics) *
	Intel® Celeron® processor P4600 (2 Cores / 2 Threads, 2.0 GHz, 2 MB, Intel® HD Graphics)
	Intel® Celeron® processor P4500 (2 Cores / 2 Threads, 1.86 GHz, 2 MB, Intel® HD Graphics)
OPERATING SYSTEM	
Operating system optional preinstalled	Genuine Windows® 7 Home Basic (EM) 32-bit Genuine Windows® 7 Home Premium 64-bit Genuine Windows® 7 Professional 32-bit Genuine Windows® 7 Professional 64-bit
Operating system compatible	openSUSE Linux Genuine Windows Vista® Genuine Windows® XP
Operating system notes	Dependent on configuration Windows 7® versions are: Microsoft Office 2007 ready Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite. Limited Windows XP support. Microsoft discontinued Windows XP certification on system level.
MEMORY MODULES	1 GB (1 module(s) 1 GB) DDR3, non-ECC, 1066 MHz, PC3-8500, SO DIMM
	2 GB (1 module(s) 2 GB) DDR3, non-ECC, 1066 MHz, PC3-8500, SO DIMM
HARD DISK DRIVES (INTERNAL)	SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.
	SATA II, 5400 rpm, 500 GB, 2.5-inch
	SATA II, 5400 rpm, 320 GB, 2.5-inch
	SATA, 5400 rpm, 250 GB, 2.5-inch
	SATA, 5400 rpm, 160 GB, 2.5-inch
Hard disk notes	Supporting NCQ and 3 GBit
DRIVES (OPTIONAL)	Blu-ray Combo SATA Slot-in slim
	DVD Super Multi Slot-in slim
INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)	
	WLAN (IEEE 802.11a/b/g/n)
	Bluetooth 2.1
Base unit	ESPRIMO Q9000
MAINBOARD	
Formfactor	proprietary
Chipset	Intel® QM57
Processor socket	rPGA 988A
Processor quantity maximum	1
Memory slots	2 SO DIMM
Supported capacity RAM (max.)	4 GB
Memory frequency	1066 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® 82577 LM
Integrated WLAN	1 (optional)
BIOS version	AMI Aptio 4.6
Audio codec	Realtek ALC662

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MAINBOARD	
Audio features	High Definition audio
I/O CONTROLLER ON BOARD	
Serial ATA total	3
Controller functions	Serial ATA II 3 GBit AHCI
INTERFACES	
Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out / headphones / SPDIF	1 (optical)
Front audio: headphone	-
USB 2.0 total	6
USB front	2
USB rear	4
VGA	1 (via DVI to VGA-Adapter)
DVI	1
HDMI	1
Ethernet (RJ-45)	1
Kensington Lock support	1
eSATA	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
Refresh rate 1024 x 768 (recommended / max.)	75 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	75 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	75 Hz / -
TFT resolution (VGA)	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 (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 (HDMI)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel

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GRAPHICS ON BOARD	
Graphics features	Dual display support DirectX 10 OpenGL® 2.1
ELECTRICAL VALUES	
Operating voltage range	100 - 240 V (AC Input)
Max. output of single power supply	external
POWER CONSUMPTION	
Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=40068b69-2bd3-45ed-aeeb-51281fecd0cd
HEAT DISSIPATION	
Heat dissipation notes	See white paper Energy Consumption
NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)	
Noise emission	According to ISO9296
Noise Operation mode 1: ODD load (Blue angel requirement)	4.4 B / 30 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.4 B / 19 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.4 B / 31 dB(A)
Noise Operation mode 4: High load	4.4 B / 30 dB(A)
Noise Operation mode 5: Office applications	3.4 B / 19 dB(A)
Idle mode (Blue Angel requirement)	3.4 B / 19 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
Operating position	Backpack solution (optional)
Weight	approx. 1.4 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	5 - 35°C
COMPLIANCE	
Product	ESPRIMO Q9000
Model	MPC-D1007
Germany	Blauer Engel / Blue Angel
Europe	CE Nordic Swan EN 60601-1-2
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 5.0 EPEAT® Silver
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
ADDITIONAL SOFTWARE	
Additional software (preinstalled)	Nero Essentials S (burning software)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) 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) Nero 9 Essentials XL

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COMPATIBILITY (REFERENCES)

	DMI 2.0 PC 2001 WMI 1.5 USB 2.0 SMBIOS

MANAGEABILITY

Manageability features	PXE 2.1 Boot code Wake up from S5 (off mode) iAMT 6.0 DeskUpdate Driver management ASF 2.0 (Alert Standard Format)
Manageability type	DeskView 10
DeskView features	Detailed system inventory management and reports WoL (Wake on LAN) On/Offline remote client management BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration
Manageability link	http://ts.fujitsu.com/manageability http://www.altiris.com/fujitsu http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html

SECURITY

Physical security	Kensington Lock support
System security	Boot sector virus protection
User security	User and supervisor BIOS password Optional: Access protection via external SmartCard reader

PACKAGING INFORMATION

Packaging dimension	395x198x284 mm
Max. quantity / pallet	48
Material - Weight (g) Carton	670g
Material - Weight (g) EPS / PS	appr. 10 g
Material - Weight (g) PE	appr. 125 g
Packaging notes	printed user documentation is bleached in chlorin free process

WARRANTY

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

MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice



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FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu ESPRIMO Q9000, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu ESPRIMO Q9000, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. http://ts.fujitsu.com/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/

Green Policy Innovation

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