

# DATA SHEET

## ESPRIMO P1500

Issue: November 2009

The wide-ranging home office and multimedia PC

### ESPRIMO P1500

The wide-ranging ESPRIMO P1500 is the ideal home office and multimedia PC for families. Equipped with powerful Intel® processor and NVIDIA® graphics technology it is ideal for processing holiday photos, surfing the Internet and for gaming. The optional built-in Blu-ray player makes it a joy to use Blu-ray disks in HD quality. A wide selection of interfaces makes it easy to connect external devices - it's child play.

### Performance

Performance to meet all demands - for office applications and games as well as photo processing

- Intel® Core™2 Quad processor, NVIDIA® graphics card, up to 4 GB memory and 3 TB hard disk capacity

### Designed and engineered in Germany

Outstanding quality and stable functions based on German production standards

- The development, production and function tests are all under one roof in Germany

### Multimedia

Un-restricted joy with Blu-ray disks in HD quality

- Blu-ray drive (optional) and HDMI interface with the corresponding multimedia software

### Connectivity

Comfortable connection of external devices and easy reading of the various storage media

- 20-in-1 card reader, many different interfaces, LAN



## Components

<b>Processor</b>	Intel® Core™2 Quad processor Q9550 (2.83 GHz, 12 MB, 1333 MHz) Intel® Core™2 Quad processor Q9505 (2.83 GHz, 6 MB, 1333 MHz) Intel® Core™2 Quad processor Q9400 (2.66 GHz, 6 MB, 1333 MHz) Intel® Core™2 Quad processor Q8300 (2.5 GHz, 4 MB, 1333 MHz) Intel® Core™2 Quad processor Q8200 (2.33 GHz, 4 MB, 1333 MHz) Intel® Core™2 Duo processor E8600 (3.33 GHz, 6 MB, 1333 MHz) Intel® Core™2 Duo processor E8500 (3.16 GHz, 6 MB, 1333 MHz) Intel® Core™2 Duo processor E8400 (3.0 GHz, 6 MB, 1333 MHz) Intel® Core™2 Duo processor E7600 (3.06 GHz, 3 MB, 1066 MHz) Intel® Core™2 Duo processor E7500 (2.93 GHz, 3 MB, 1066 MHz) Intel® Core™2 Duo processor E7400 (2.8 GHz, 3 MB, 1066 MHz) Intel® Pentium® processor E6300 (2.8 GHz, 2 MB, 1066 MHz) Intel® Pentium® processor E5400 (2.7 GHz, 2 MB, 800 MHz) Intel® Pentium® processor E5300 (2.6 GHz, 2 MB, 800 MHz) Intel® Pentium® processor E5200 (2.5 GHz, 2 MB, 800 MHz)
<b>Memory modules</b>	2 GB (1 module(s) 2 GB) DDR2, 800 MHz, PC2-6400 1 GB (1 module(s) 1 GB) DDR2, 800 MHz, PC2-6400
<b>Hard disk drives (internal)</b>	SATA II, 7200 rpm, 1500 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T. SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.
<b>Graphics add on cards (optional)</b>	NVIDIA® GeForce® GT 220, 1 GB
<b>Modular bay options</b>	Blu-ray combo drive DVD Super Multi MultiCard Reader 20in1, 3,5-Inch
<b>Interface add on cards/components (optional)</b>	WLAN III, 802.11g/Draft-n (Windows only) FireWire PCI-Card IEEE1394
<b>Base unit</b>	<b>ESPRIMO P1500</b>
<b>Mainboard</b>	
Mainboard type	D2950
Formfactor	reduced µATX
Chipset	NVIDIA® MCP73PV
Processor socket	LGA 775
Processor quantity maximum	1
System bus (FSB / HT / QPI)	1333 MHz
Memory slots	2 DIMM (DDR2)
Supported capacity RAM (max.)	4 GB
Memory frequency	800 MHz
LAN	10/100/1000 MBit/s
BIOS version	Phoenix 6.0
BIOS features	BIOS based on Phoenix SecureCore Recovery BIOS
Audio codec	Realtek ALC663
Audio features	High Definition audio, 5.1 surround sound
<b>I/O controller on board</b>	
Serial ATA total	4
Controller functions	Serial ATA II 3 GBit

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## Interfaces

Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out	1
DVI	1 (only in config with graphic card)
Ethernet (RJ-45)	1
Front audio: headphone	1
Front audio: microphone	1
HDMI	1 (only in config with graphic card)
Mouse / Keyboard (PS/2)	1/1
Serial (RS-232)	1 (9pi, 16 byte FIFO, 16550 compatible)
USB front	2
USB internal	2
USB rear	4
USB 2.0 total	8
VGA	1

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## Input device / components

Optical USB wheel mouse  
Keyboard

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## Drive bays

Drive bays total	5
3.5-inch internal bays	2
3.5-inch external bays	1
5.25-inch external bays	2

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## Slots

PCI-Express x16	1 x (240 mm) full height
PCI-Express x1	1 full height
PCI (32-bit / 33 MHz)	2 x (240 mm) full height

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## Graphics

Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz / -

TFT resolution (VGA)	1024 x 768 pixel 1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
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TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
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Graphics notes	Shared memory depending on driver Resolution (color depth up to 32 Bit/pixel) Refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to using 60Hz.
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## Electrical values

Rated voltage range	200 - 240 V
Rated frequency range	50 - 60 Hz
Operating voltage range	200 - 240 V
Operating line frequency range	47 - 63 Hz
Max. output of power supply	330 W
Monitor outlet	No

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## Power consumption

Power consumption note	see white paper Energy Consumption
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## Power consumption

Link to Energy White Paper	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=c4230099-548d-4b9a-887e-8a17c86abb87">http://docs.ts.fujitsu.com/dl.aspx?id=c4230099-548d-4b9a-887e-8a17c86abb87</a>
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## Heat dissipation

Heat dissipation notes	see white paper Energy Consumption
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## Noise for standard configuration (HDD, ODD, FDD)

Noise emission	According to ISO9296
Related Processors for noise	Intel® Core™2 Quad Q8300
Noise Operation mode 1: ODD load (Blue angel requirement)	4.4 / 29 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	4.3 / 28 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.1 / 27 dB(A)
Noise Operation mode 4: High load	4.4 / 29 dB(A)
Noise Operation mode 5: Office applications	4.3 / 28 dB(A)
Idle mode (Blue Angel requirement)	4.0 B / 25 dB(A)
Noise notes / description	A weighted sound power level L <sub>wad</sub> (in B) / workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A)), Bystander position

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## Dimensions / Weight / Environmental

Dimension (W x D x H)	175 x 425 x 353 mm
Operating position	Vertical
Weight	approx. 11 kg
Weight notes	Weight may vary depending on actual configuration
Operating ambient temperature	15 - 35°C

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## Compliance

Product	ESPRIMO P1500
Model	MI4W-D2950
Europe	CE
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment)
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

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## Operating system

Operating system optional preinstalled	Microsoft® Windows® 7 Home Premium Microsoft® Windows Vista® Home Premium
Operating system notes	All Windows Vista® and Windows® 7 versions are Office 2007 ready.

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## Additional Software

Additional software (preinstalled)	Nero Essentials S (burning software)
Additional software (optional)	CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive)
Additional software (included as a CD/DVD)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD)

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## Compatibility (references)

	DMI 2.0 USB 2.0 WMI 1.5
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## Security

Physical security	Kensington Lock support Eye for padlock
System security	Boot sector virus protection Control of external interfaces
User security	User and supervisor BIOS password

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## Packaging information

Packaging dimension	500x290x540 mm
Max. quantity / pallet	24

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**Packaging information**

Material - Weight (g) Carton	1270 g
Material - Weight (g) EPS / PS	210 g
Material - Weight (g) PE	appr. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process

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**Warranty**

Service level (depending on country)

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

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	3 years
Service Weblink	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

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Take back and Recycling information:

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