

Fujitsu recommends Windows® 7.

# Data Sheet

## Fujitsu ESPRIMO P400 Desktop PC

Your Immediately Available Office PC

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Fujitsu All-round ESPRIMO PCs deliver high-quality computing for your office applications and projects at a very attractive price point. You can choose cost-optimized fixed configurations for immediate delivery. Alternatively, you can use configuration options to meet your specific hardware needs, while staying within your budget.

### Intelligent performance

The ideal PC for the day-to-day challenges of office life

- 2nd generation Intel® Core™ processors with Turbo Boost 2.0 and Hyper-Threading technology

### 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

### Immediate availability

Short waiting-times for fast purchase decisions - pre-configured and always available

- Fast availability and adapted to constantly changing customer and market requirements.



# Components

<b>Processor</b>	Intel® Core™ i7-2600 processor (4 Cores / 8 Threads, 3.40 GHz, 8 MB, Intel® HD Graphics 2000) Intel® Core™ i5-2400 processor (4 Cores / 4 Threads, 3.10 GHz, 6 MB, Intel® HD Graphics 2000) Intel® Core™ i3-2120 processor (2 Cores / 4 Threads, 3.30 GHz, 3 MB, Intel® HD Graphics 2000) Intel® Pentium® processor G840 (2 Cores / 2 Threads, 2.80 GHz, 3 MB, Intel® HD Graphics) Intel® Pentium® processor G620 (2 Cores / 2 Threads, 2.60 GHz, 3 MB, Intel® HD Graphics)
<b>Operating systems</b>	
<b>Operating system</b>	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
<b>Operating system compatible</b>	openSUSE Linux Genuine Windows Vista® Genuine Windows® XP
<b>Operating system notes</b>	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>Memory modules</b>	2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM 4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM
<b>Hard disk drives (internal)</b>	HDD SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. HDD SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.
<b>Hard disk notes</b>	Up to 18 GB of HDD space is reserved for system recovery
<b>Graphics add on cards (optional)</b>	ATI Radeon® HD 5450, 512 MB
<b>Drives (optional)</b>	DVD Super Multi MultiCard Reader 20in1, USB 2.0, 3.5-Inch
<b>Base unit</b>	ESPRIMO P400
<b>Mainboard</b>	
<b>Mainboard type</b>	D2990
<b>Formfactor</b>	ATX
<b>Chipset</b>	Intel® H61
<b>Processor socket</b>	LGA 1155
<b>Processor quantity maximum</b>	1
<b>Memory slots</b>	2 DIMM (DDR3)
<b>Supported capacity RAM (max.)</b>	8 GB
<b>Memory frequency</b>	1333 MHz
<b>Memory notes</b>	Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).
<b>LAN</b>	10/100/1000 MBit/s Realtek RTL 8111E
<b>BIOS version</b>	AMI Aptio 4.6
<b>BIOS features</b>	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
<b>Audio codec</b>	Realtek ALC663
<b>Audio features</b>	High Definition Audio
<b>I/O controller on board</b>	
<b>Serial ATA total</b>	4
<b>Controller functions</b>	Serial ATA II (3 Gbit) NCQ AHCI

**Interfaces**

Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out	1
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	8
USB 3.0 total	optional
USB front	2
USB rear	4
USB internal	2
VGA	1
DVI	1 (DVI-D)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1

**Input device / components**

Optical USB wheel mouse  
Keyboard

**Drive bays**

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

**Slots**

PCI-Express 2.0 x16	1 x (210 mm) Full height
PCI-Express x1	2 x (190 mm) Full height

**Graphics on board**

Graphics brand name	Intel® HD Graphics or HD Graphics 2000 (depending on CPU)
Shared video memory	up to 1759 MB
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
Graphics features	Dual display support DirectX 10.1 HDCP 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**

0-Watt mode with hard-off switch

**Electrical values**

Power supply input	200 - 240 V ~1,5A
Rated voltage range	200 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Operating voltage range	200 V - 240 V
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	300 W
Monitor outlet	No

**Power consumption****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 2400
Noise Operation mode 1: ODD load (Blue angel requirement)	5.1 B/ 38 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	4.4 B/ 29 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.7 B/ 32 dB(A)
Noise Operation mode 4: High load	4.7 B/ 32 dB(A)
Noise Operation mode 5: Office applications 2.0	4.4 B/ 29 dB(A)
Idle mode (Blue Angel requirement)	4.3 B/ 29 dB(A)
Noise notes / description	A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)), Bystander position

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	175 x 425 x 353 mm
Operating position	Vertical
Weight	approx. 9 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35°C

**Compliance**

Product	ESPRIMO P400
Model	MI4W-2990
Europe	CE
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL)
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates/">https://sp.ts.fujitsu.com/sites/certificates/</a>

**Additional Software**

Additional software (preinstalled)	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.
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)

**Compatibility (references)**

DMI 2.0  
PC 2001  
WMI 1.5  
USB 2.0  
SMBIOS

**Manageability**

**Manageability technology** DeskUpdate Driver management  
PXE 2.1 Boot code  
Wake up from S5 (off mode)

**DeskView components** WoL (Wake on LAN)

**Security**

**System protection** Kensington Lock support  
Eye for padlock

**Audit proof protection** Boot sector virus protection  
Control of external interfaces

**Access protection** User and supervisor BIOS password  
Optional: Access protection via external SmartCard reader

**Packaging information**

**Packaging dimension** 500x290x540 mm

**Max. quantity / pallet** 24

**Material - Weight (g) Carton** 1270 g

**Material - Weight (g) EPS / PS** 160 g

**Material - Weight (g) PE** appr. 60 g

**Packaging notes** printed user documentation is bleached in chlorine free process

**Warranty**

**Standard Warranty** 1 year

**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** 3 years

**Service Weblink** <http://ts.fujitsu.com/Supportservice>

## More information

### Fujitsu platform solutions

In addition to Fujitsu ESPRIMO P400, 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/](http://www.fujitsu.com/global/services/computing/)

#### Software

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

### More information

Learn more about Fujitsu ESPRIMO P400, 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/>



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