

Fujitsu recommends Windows 8 Pro.

# Data Sheet

## Fujitsu ESPRIMO P400 E85+ Desktop PC

Your Immediately Available Office PC

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

- 3rd generation Intel® Core™ i3, Core™ i5, and Core™ i7 processors

### 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

Cost-effective professional PC for price-driven project needs

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

### Meets ENERGY STAR® requirements

Low power consumption and low costs, without any loss in performance

- Up to 86% energy efficient power supply



# Components

\*with Intel® Turbo Boost Technology (clock speed and performance will vary depending on workload and other variables)

## Operating systems

Operating system	Windows 8 Pro Windows 8 Windows® 7 Professional 64-bit Windows® 7 Professional 32-bit Windows® 7 Home Premium 64-bit Windows® 7 Home Basic 32-bit (EM)
Operating system compatible	openSUSE Linux Windows Vista® (3rd gen Intel® Core™ processors are not supported) 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>

## Hard disk notes

Up to 20 GB of HDD space is reserved for system recovery

Base unit	ESPRIMO P400 E85+
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## Mainboard

Mainboard type	D2990
Formfactor	µATX
Chipset	Intel® H61
Processor socket	LGA 1155
Processor quantity maximum	1
Memory slots	2 DIMM (DDR3)
Supported capacity RAM (max.)	16 GB
Memory frequency	1333 MHz
Memory notes	Dual channel support. For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).
LAN	10/100/1000 MBit/s Realtek RTL 8111E
BIOS version	AMI Aptio 4.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio codec	Realtek ALC663
Audio features	High Definition Audio

## I/O controller on board

Serial ATA total	4
Controller functions	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

**Interfaces**

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

**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 / 8.27 inch) Full height
PCI-Express x1	2 x (190 mm / 7.48 inch) Full height

**Graphics on board**

Graphics brand name	Intel® HD Graphics, HD Graphics 2000, HD Graphics 2500, HD Graphics 4000 (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 or DirectX® 11 (depending on CPU) HDCP support Open GL® 3.3 (depending on CPU) Open CL® 1.1 (depending on CPU)
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) : 83% / 86% / 85% 0-Watt mode with hard-off switch
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
Max. output of single power supply	330 W
Power factor correction/active power	active
Monitor outlet	No

**Power consumption**

Power consumption note	See white paper Energy Consumption 0-Watt mode with hard-off switch
Link to Energy White Paper	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=9bec4b1c-40db-4205-bac7-5c712c4dbed8">http://docs.ts.fujitsu.com/dl.aspx?id=9bec4b1c-40db-4205-bac7-5c712c4dbed8</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 2400
Noise Operation mode 1: ODD load (Blue angel requirement)	5.0 B/ 36 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.7 B/ 23 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	3.9 B/ 27 dB(A)
Noise Operation mode 4: High load	4.2 B/ 27 dB(A)
Noise Operation mode 5: Office applications 2.0	3.7 B/ 22 dB(A)
Idle mode (Blue Angel requirement)	3.7 B/ 22 dB(A)
Noise notes	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 6.89 x 16.74 x 13.9 inch
Operating position	Vertical
Weight	9 kg
Weight (lbs)	20.22 lbs
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35 °C (50 - 95 °F)

**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) ENERGY STAR® 5.0 EPEAT® Gold (dedicated regions)
Compliance link	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>

**Additional Software**

Additional software (preinstalled)	Adobe® Reader® (pdf reader) Norton Internet Security (incl. Firewall) 60 days version Win7: Fujitsu Recovery (hard disk based recovery) Win8: Microsoft Push Button Recovery (hard disk based recovery) Microsoft Office (buy license to activate the pre-installed Microsoft Office)
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™) CyberLink PowerDVD DVD (playback software for DVD) Nero Essentials XL

**Miscellaneous**

**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)  
WoL (Wake on LAN)

**Security**

**Physical Security** Kensington Lock support  
Eye for padlock

**System and BIOS Security** Boot sector virus protection  
Control of external interfaces

**User Security** User and supervisor BIOS password  
Access protection via external SmartCard reader (optional)

**Packaging information**

**Packaging dimension (mm)** 500 x 290 x 540 mm

**Packaging dimension (inch)** 19.69 x 11.42 x 21.26 inch

**Max. quantity / pallet** 24

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

**Material - Weight (lbs) Carton** 2.8 lbs

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

**Material - Weight (lbs) EPS / PS** 0.35 lbs

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

**Material - Weight (lbs) PE** 0.13 lbs

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

**Warranty**

**Standard Warranty** 1 year

**Service level** Bring-In / Onsite Service (for countries within region FTS CEMEA&I, for all other countries depending on local regulations, minimum: 1 year material warranty) (depending on country)

**Warranty Terms & Conditions** <http://support.ts.fujitsu.com/warranty>

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

**Recommended Service** 9x5, Response Time: Next Business Day

**Spare Parts availability** 3 years after end of product life

**Service Weblink** <http://www.fujitsu.com/fts/services/support>

## Recommended Accessories

**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

**HS E2000 Communicator Headset**

The Fujitsu HS E2000 Communicator headset allows you to use your personal computer for Voice over IP (VoIP) in stereo audio quality. This premium headset is designed to provide superb audio quality and comfort for the telephony, internet chat, speech recognition, video conferencing and multimedia applications.

Order Code:  
S26391-F7139-L5

**Keyboard KBPC PX ECO**

Fujitsu's KBPC PX ECO keyboard is the perfect contribution to Green IT. The keyboard is made out of 45% renewable raw material and comes with a PVC free USB cable. In addition, the KBPC PX ECO offers first class comfort and ergonomics. It attracts attention with its impressive modern design and useful extras.

S26381-K341-L1\*\* (\*\*:  
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)

## More information

### Fujitsu OPTIMIZATION Services

In addition to Fujitsu ESPRIMO P400 E85+, 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 P400 E85+, 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 contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



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