

Fujitsu recommends Windows® 7.

Data Sheet

Fujitsu ESPRIMO P400 E85+ Desktop PC

Your Immediately Available Office PC

The new Fujitsu ESPRIMO P400 85+ is designed for price-conscious customers and is equipped with state-of-the-art Intel® technology including hyperthreading and Turbo Boost functionality. These systems meet every office requirement - especially those typical for small and medium-sized businesses.

Intelligent performance

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

- Intel® Core™ processors with Turbo Boost and hyperthreading 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

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 85% energy efficient power supply



Components

| | |
|---|--|
| Processor | <p>Intel® Core™ i7-2600 processor (4 Cores / 8 Threads, 3.40 GHz, 8 MB, Intel® HD Graphics 2000)</p> <p>Intel® Core™ i5-2500 processor (4 Cores / 4 Threads, 3.30 GHz, 6 MB, Intel® HD Graphics 2000)</p> <p>Intel® Core™ i5-2400 processor (4 Cores / 4 Threads, 3.10 GHz, 6 MB, Intel® HD Graphics 2000)</p> <p>Intel® Core™ i5-2320 processor (4 Cores / 4 Threads, 3.00 GHz, 6 MB, Intel® HD Graphics 2000)</p> <p>Intel® Core™ i5-2310 processor (4 Cores / 4 Threads, 2.90 GHz, 6 MB, Intel® HD Graphics 2000)</p> <p>Intel® Core™ i3-2120 processor (2 Cores / 4 Threads, 3.30 GHz, 3 MB, Intel® HD Graphics 2000)</p> <p>Intel® Core™ i3-2100 processor (2 Cores / 4 Threads, 3.10 GHz, 3 MB, Intel® HD Graphics 2000)</p> <p>Intel® Pentium® processor G850 (2 Cores / 2 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics)</p> <p>Intel® Pentium® processor G840 (2 Cores / 2 Threads, 2.80 GHz, 3 MB, Intel® HD Graphics)</p> <p>Intel® Pentium® processor G620 (2 Cores / 2 Threads, 2.60 GHz, 3 MB, Intel® HD Graphics)</p> <p>Intel® Celeron® processor G530 (2 Cores / 2 Threads, 2.40 GHz, 2 MB)</p> |
| Operating system | |
| Operating system | <p>Genuine Windows® 7 Home Basic (EM) 32-bit</p> <p>Genuine Windows® 7 Home Premium 64-bit</p> <p>Genuine Windows® 7 Professional 32-bit</p> <p>Genuine Windows® 7 Professional 64-bit</p> |
| Operating system compatible | <p>openSUSE Linux</p> <p>Genuine Windows Vista®</p> <p>Genuine Windows® XP</p> |
| Operating system notes | <p>Buy Microsoft® Office 2010 to use the full-featured Office software on this PC.</p> <p>Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via http://support.ts.fujitsu.com</p> |
| Memory modules | <p>2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM</p> <p>4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM</p> |
| Hard disk drives (internal) | <p>SATA III, 7200 rpm, 1000 GB, 3.5-inch</p> <p>SATA III, 7200 rpm, 500 GB, 3.5-inch</p> <p>SATA III, 7200 rpm, 320 GB, 3.5-inch</p> |
| Hard disk notes | Up to 18 GB of HDD space is reserved for system recovery |
| Graphics add on cards (optional) | <p>NVIDIA® GeForce® GT 420</p> <p>NVIDIA® GeForce® 405 display port full height</p> <p>DP to DVI-D (single link) Adapter Cable</p> <p>ATI Radeon® HD 5450, 512 MB</p> |
| Drives (optional) | <p>Blu-ray Disc™ Triple Writer</p> <p>DVD-ROM</p> <p>DVD Super Multi</p> <p>MultiCard Reader 20in1, USB 2.0, 3.5-Inch</p> <p>MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch</p> |
| Interface add on cards/components (optional) | <p>WLAN III, 802.11g/Draft-n (Windows only)</p> <p>USB 3.0 PCIe x1</p> <p>Dual serial card PCIe x1, powered</p> <p>Dual serial card PCIe x1</p> |
| Base unit | ESPRIMO P400 E85+ |
| Mainboard | |
| Mainboard type | D2990 |

Mainboard

| | |
|-------------------------------|--|
| Formfactor | ATX |
| Chipset | Intel® H61 |
| Processor socket | LGA 1155 |
| Processor quantity maximum | 1 |
| Memory slots | 2 DIMM (DDR3) |
| Supported capacity RAM (max.) | 8 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 |
| 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 |

Graphics on board

| | |
|-----------------------------|---|
| 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

| | |
|---|--|
| 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 | http://docs.ts.fujitsu.com/dl.aspx?id=9bec4b1c-40db-4205-bac7-5c712c4dbed8 |

Heat dissipation

| | |
|-------------------------------|------------------------------------|
| Heat dissipation notes | See white paper Energy Consumption |
|-------------------------------|------------------------------------|

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) |
| Idle mode (Blue Angel requirement) | 3.7 B/ 22 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) ENERGY STAR® 5.0 |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates/default.aspx |

Additional Software

| | |
|------------------------------------|--|
| Additional software (preinstalled) | Nero Essentials S (burning software) Fujitsu Recovery (Hard Disk Based Recovery) |
| 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) |

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) |
| DeskView components | WoL (Wake on LAN) |
| Manageability link | http://ts.fujitsu.com/manageability http://www.altiris.com/fujitsu |

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

Warranty

Recommended Service 5x9, Response Time: Next Business Day

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

More information

Fujitsu platform solutions

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.

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 P400 E85+, 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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