Fujitsu ESPRIMO P900 E85+ Desktop PC

Excellent Performance, Expandability And Energy Efficiency

Fujitsu ESPRIMO P900 PCs give you the absolute highest PC manageability, performance and expandability. The optional Zero Noise PCs help you focus on your work and with 94% efficient power supply with 0-Watt technology, you'll also save on energy costs. The use of identical components ensures perfect infrastructure compatibility. At retirement, Fujitsu's distinctive EraseDisk function wipes your data securely.

Microtower
Maximum performance and optimal extendability
- High-quality, high-value microtower, 7 drive bays, 4 PCI/PCI express interfaces

Green technology
Fujitsu's contribution to environmental protection for the continued existence of our planet
- Halogen-free printed circuit of mainboard and power supply, sophisticated product concept for the entire lifecycle

Quiet
Innovative hardware design, optimized cooling concept ensures silent operations
- Pleasant working environment due to an extremely quiet system

System management
Simple system administration for complex IT infrastructures
- Intel® vPro™ technology (depending on processor) and Fujitsu DeskView manageability tools

Energy efficiency and intelligent performance
Low power consumption combined with top performance
- 2nd generation Intel® Core™ processors with Turbo Boost 2.0 and Hyper-Threading technology and a power supply with up to 86% efficiency

Fujitsu recommends Windows 8 Pro.
# Components

**Processor**

- Intel® Core™ i3-2120 processor (2 Cores / 4 Threads, 3.30 GHz, 3 MB, Intel® HD Graphics 2000)
- Intel® Pentium® processor G850 (2 Cores / 2 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics)
- Intel® vPro™ Logo with Intel® Core i5-2400, Intel® Core™ i5-2500 and Intel® Core™ i7-2600 processors.

**Operating systems**

<table>
<thead>
<tr>
<th>Operating system</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows® 7 Home Basic (EM)</td>
<td>32-bit</td>
</tr>
<tr>
<td>Windows® 7 Home Premium</td>
<td>64-bit</td>
</tr>
<tr>
<td>Windows® 7 Professional</td>
<td>32-bit</td>
</tr>
<tr>
<td>Windows® 7 Professional</td>
<td>64-bit</td>
</tr>
</tbody>
</table>

**Operating system compatible**

- openSUSE Linux
- Windows Vista®
- Windows® XP
- Citrix XenClient™ 2

**Operating system notes**

Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via http://support.ts.fujitsu.com

**Memory modules**

- 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

**Hard disk drives (internal)**

- SSD SATA II, 128 GB, 2.5-inch, FDE
- HDD SATA III, 7200 rpm, 1000 GB, 3.5-inch
- HDD SATA III, 7200 rpm, 500 GB, 3.5-inch, business critical
- HDD SATA III, 7200 rpm, 500 GB, 3.5-inch
- HDD SATA III, 7200 rpm, 250 GB, 3.5-inch
- HDD SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.
- HDD SATA II, 7200 rpm, 320 GB, 2.5-inch

**Hard disk notes**

Up to 18 GB of HDD space is reserved for system recovery

**Graphics add on cards (optional)**

- NVIDIA® GeForce® GT630 DisplayPort 2GB FH, 2 GB
- NVIDIA® GeForce® 605 DisplayPort 1GB FH, 1 GB
- LFH59/ 2x DVI-I adapter cable
- DP to DVI-D (single link) Adapter Cable

**Drives (optional)**

- BD Triple Writer SATA slim (tray)
- DVD-ROM
- DVD Super Multi
- MCR 24in1 & USB 3.0 front con., 3.5”
- MultiCard Reader 24in1 USB 2.0 3.5”

**Interface add on cards/components (optional)**

- WLAN III, 802.11g/Draft-n (Windows only, dedicated regions only)
- Parallel Interface
- Gigabit Ethernet PCIe x1, D5
- eSATA Interface
- Dual serial card PCIe x1, powered
- Dual serial card PCIe x1

**Base unit**

- ESPRIMO P900 E85+

**Mainboard**

<table>
<thead>
<tr>
<th>Mainboard type</th>
<th>Formfactor</th>
<th>Chipset</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3062</td>
<td>µATX</td>
<td>Intel® Q67</td>
</tr>
</tbody>
</table>
## Mainboard

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor socket</td>
<td>LGA 1155</td>
</tr>
<tr>
<td>Processor quantity maximum</td>
<td>1</td>
</tr>
<tr>
<td>Memory slots</td>
<td>4 DIMM (DDR3)</td>
</tr>
<tr>
<td>Supported capacity RAM (max.)</td>
<td>32 GB</td>
</tr>
<tr>
<td>Memory frequency</td>
<td>1333 MHz</td>
</tr>
<tr>
<td>Memory notes</td>
<td>Dual channel support.</td>
</tr>
<tr>
<td></td>
<td>For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same.</td>
</tr>
<tr>
<td></td>
<td>&gt; 16 GB support with future memory modules</td>
</tr>
</tbody>
</table>

## LAN

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/100/1000 MBit/s Intel® B2579 LM</td>
<td></td>
</tr>
</tbody>
</table>

## BIOS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS version</td>
<td>AMI Aptio 4.6</td>
</tr>
<tr>
<td>BIOS features</td>
<td>BIOS Flash EPROM update by software</td>
</tr>
<tr>
<td></td>
<td>Recovery BIOS</td>
</tr>
<tr>
<td></td>
<td>Unified Extensible Firmware Interface (UEFI)</td>
</tr>
<tr>
<td></td>
<td>FastOn</td>
</tr>
</tbody>
</table>

## Audio codec

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conexant CX20642</td>
<td></td>
</tr>
</tbody>
</table>

## Audio features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal speaker supports audio playback, High Definition audio, 5.1 surround sound</td>
<td></td>
</tr>
</tbody>
</table>

## I/O controller on board

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial ATA total</td>
<td>6</td>
</tr>
<tr>
<td>thereof SATA III</td>
<td>2</td>
</tr>
<tr>
<td>thereof eSATA</td>
<td>2 (optional)</td>
</tr>
<tr>
<td>Controller functions</td>
<td>Serial ATA II (3 Gbit)</td>
</tr>
<tr>
<td></td>
<td>Serial ATA III (6 Gbit)</td>
</tr>
<tr>
<td></td>
<td>NCQ</td>
</tr>
<tr>
<td></td>
<td>AHCI</td>
</tr>
<tr>
<td></td>
<td>Raid 1/0</td>
</tr>
</tbody>
</table>

## Interfaces

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio: line-in</td>
<td>1</td>
</tr>
<tr>
<td>Audio: line-in / microphone</td>
<td>1</td>
</tr>
<tr>
<td>Audio: line-out</td>
<td>1</td>
</tr>
<tr>
<td>Front audio: microphone</td>
<td>1</td>
</tr>
<tr>
<td>Front audio: headphone</td>
<td>1</td>
</tr>
<tr>
<td>USB 2.0 total</td>
<td>14</td>
</tr>
<tr>
<td>USB 3.0 total</td>
<td>optional</td>
</tr>
<tr>
<td>USB front</td>
<td>4</td>
</tr>
<tr>
<td>USB rear</td>
<td>8</td>
</tr>
<tr>
<td>USB internal</td>
<td>2</td>
</tr>
<tr>
<td>VGA</td>
<td>1 (via DVI to VGA adapter, part of shipment)</td>
</tr>
<tr>
<td>DisplayPort</td>
<td>1</td>
</tr>
<tr>
<td>DVI</td>
<td>1 (DVI-I)</td>
</tr>
<tr>
<td>Serial (RS-232)</td>
<td>1 (9pin, 16 byte FIFO, 16550 compatible)</td>
</tr>
<tr>
<td>Mouse / Keyboard (PS/2)</td>
<td>2</td>
</tr>
<tr>
<td>Ethernet (RJ-45)</td>
<td>1</td>
</tr>
<tr>
<td>Parallel</td>
<td>1 (optional) (25pin with EPP and ECP)</td>
</tr>
<tr>
<td>eSATA</td>
<td>1 (optional)</td>
</tr>
<tr>
<td>Interface Module notes</td>
<td>Anytime USB charge functionality</td>
</tr>
</tbody>
</table>

## Input device / components

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical USB tilt wheel mouse</td>
<td></td>
</tr>
</tbody>
</table>

## Input devices (optional)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optical USB/PS2 tilt wheel mouse</td>
<td></td>
</tr>
<tr>
<td>KBPC PX ECO</td>
<td></td>
</tr>
<tr>
<td>Mouse M440 ECO</td>
<td></td>
</tr>
</tbody>
</table>
Drive bays
Drive bays total 7
2.5-inch internal bays 1
3.5-inch internal bays 2
3.5-inch external bays 2
5.25-inch external bays 2

Slots
PCI-Express 2.0 x16 1 x (312 mm / 12.29 inch) Full height
PCI-Express 2.0 x4 (mech. x16) 1 x (312 mm / 12.29 inch) Full height
PCI-Express x1 1 x (312 mm / 12.29 inch) Full height
PCI (32-bit / 33 MHz) 1 x (170 mm / 6.7 inch) 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

TFT resolution (DisplayPort) 1360 x 768 pixel
1440 x 900 pixel
1600 x 900 pixel
1680 x 1050 pixel
1920 x 1080 pixel
1920 x 1200 pixel
2560 x 1440 pixel
2560 x 1600 pixel

Graphics features Dual display support
DirectX 10.1
HDCP support
OpenGL® 2.1
For multi monitoring mode, graphics card and integrated graphics run in parallel (Microsoft® Windows 7® only)

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 280 W
Power factor correction/active power active
### Electrical values

| 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=0c06ac4b-6c90-4d28-81a0-c3b694da40d5 |

### 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) | 3.9 B/ 26 dB(A) |
| Noise Operation mode 2: HDD load (Blue angel requirement) | 3.3 B/ 20 dB(A) |
| Noise Operation mode 3: CPU 90% load (Blue angel requirement) | 3.4 B/ 21 dB(A) |
| Noise Operation mode 4: High load | 3.4 B/ 21 dB(A) |
| Noise Operation mode 5: Office applications 2.0 | 3.3 B/ 20 dB(A) |
| Idle mode (Blue Angel requirement) | 3.3 B/ 20 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 419 x 395 mm |
| | 6.89 x 16.5 x 15.56 inch |
| Operating position | Vertical |
| Weight | 11 kg |
| Weight (lbs) | 24.25 lbs |
| Weight notes | Actual weight may vary depending on configuration |
| Operating ambient temperature | 10 - 35°C (50 - 95°F) |

### Compliance

| Product | ESPRIMO P900 |
| Model | MISW-3062 |
| Germany | TUV GS |
| Europe | CE Nordic Swan |
| USA/Canada | FCC Class B cCSAus |
| Global | RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® EPEAT® Gold (dedicated regions) |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates/ |

### Additional Software

| Additional software (preinstalled) | Nero Essentials S (burning software) Fujitsu Recovery (Hard Disk Based Recovery) Norton Internet Security (incl. Firewall) 60 days version Don’t forget Office. |
### Additional 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)

### Miscellaneous

- Keyboard on (Special Fujitsu keyboard required)
- Thermal management
- Extended lifetime

### 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)
- Intrusion switch (optional)
- iAMT 7.0
- WoL (Wake on LAN)

**Manageability software**
- DeskView Client
- DeskView Instant BIOS Management
- DeskView Integration for Symantec Management Platform

**DeskView components**
- Inventory Management
- BIOS Management
- Driver Management
- Security Management
- Alarm Management

**Manageability link**

### Security

**System protection**
- Kensington Lock support
- Eye for padlock
- Optional: Integrated cabinet lock

**Audit proof protection**
- EraseDisk (optional)
- Boot sector virus protection
- Write protect option for the Flash EPROM
- Embedded security (TPM 1.2)
- Control of all USB interfaces
- External USB ports can be disabled separately
- Control of external interfaces

**Access protection**
- User and supervisor BIOS password
- Hard disk password
- Optional: Access protection via external SmartCard reader
- Optional: Access protection via internal SmartCard reader

### Serviceability

- EasyFix
- EasyChange for HDD
- EasyChange for optical drives

### Packaging information

- **Packaging dimension (mm)**: 516 x 278 x 562 mm
- **Packaging dimension (inch)**: 20.31 x 10.94 x 22.13 inch
- **Max. quantity / pallet**: 24
- **Material - Weight (g) Carton**: 1405 g
Fujitsu recommends Windows 8 Pro.

Packaging information

<table>
<thead>
<tr>
<th>Material - Weight (lbs) Carton</th>
<th>3.1 lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material - Weight (g) EPS / PS</td>
<td>160 g</td>
</tr>
<tr>
<td>Material - Weight (lbs) EPS / PS</td>
<td>0.35 lbs</td>
</tr>
<tr>
<td>Material - Weight (g) PE</td>
<td>60 g</td>
</tr>
<tr>
<td>Material - Weight (lbs) PE</td>
<td>0.13 lbs</td>
</tr>
</tbody>
</table>

Packaging notes printed user documentation is bleached in chlorine free process

Warranty

Standard Warranty 3 years

Service level Bring-In / On-Site Service (for countries within region FTS CEMEA&I / for all other countries depending on local regulations, minimum: 2 years material warranty)

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

Maintenance and Support Services - the perfect extension

Recommended Service 5x9, Response Time: Next Business Day

Spare Parts availability 5 years after end of product life

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

Recommended Accessories

Wireless Keyboard Set LX900

The Wireless Keyboard LX900 is a top of the line desktop solution for lifestyle orientated customers, who want only the best for their desk. This superb keyboard set with offers ambitious users more functions, security and better features than a conventional interface device. It even includes 2.4 GHz technology and 128 AES encryption for security.

Order Code: S26381-K564-L4** (**: Country specific variation)

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.

Order Code: 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 accidently spill some water or coffee onto the keyboard, this special construction helps the liquid to flow away.

Order Code: S26381-K560-L4** (**: Country specific variation)

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

WebCam 130 HD2

With the most advanced HD (High Definition / 720p) recording feature and widescreen video format (16:9 and 16:10), Webcam 130 HD2 can capture up to 30 frame rate per second, close up to HD/720p quality video. Even more: 1-Click-Upload makes the video uploading to YouTube in a snap! With smart clip for notebook & LCD display it is easy to install on any device you want.

Order Code: S26391-F7136-L5
### 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

### CELVIN® Drive D100

The CELVIN® Drive D100 is a highly reliable external storage device with a standard USB-interface for easy Plug & Play use with a notebook or PC. It is also easy to set up additional home network capacity by connecting it with dedicated routers or NAS devices.

Order Code: S26341-F103-L118
Fujitsu-recommends-Windows-8-Pro.

More information

Fujitsu OPTIMIZATION Services
In addition to Fujitsu ESPRIMO P900 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/

Software
www.fujitsu.com/software/

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/

More information
Learn more about Fujitsu ESPRIMO P900 E85+, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/ESPRIMO

Contacts
FUJITSU Technology Solutions
Website: www.fujitsu.com/fts
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