# FUJITSU

Fujitsu recommends Windows 8 Pro.

# Data Sheet
## Fujitsu ESPRIMO E900 E85+ Desktop PC

### Your Desktop PC Without Any Compromises

Fujitsu ESPRIMO E900 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.

### Small form factor PC
Flexible desktop solution whatever the space required
- Less than 13 liters volume, can be positioned vertically and horizontally

### 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
- Pleasant working environment due to an extremely quiet system
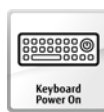
### System management
Simple system administration for complex IT infrastructures
- Intel® vPro™ technology (depending on processor) and Fujitsu DeskView manageability tools

### Energy efficiency
Low power consumption and low costs, without any loss in performance
- Sophisticated technology, low energy-consuming processors, up to 86% efficient power supply and enhanced power management settings

# Components

| | |
|---|---|
| **Processor** | 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 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** | |
| **Operating system** | Windows® 7 Home Basic (EM) 32-bit |
| | Windows® 7 Home Premium 64-bit |
| | Windows® 7 Professional 32-bit |
| | Windows® 7 Professional 64-bit |
| **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 III, 256 GB, 2.5-inch |
| | SSD SATA III, 128 GB, 2.5-inch |
| | 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, 320 GB, 2.5-inch |
| | HDD SATA II, 7200 rpm, 160 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® Quadro® NVS 300 LP, 512 MB |
| | NVIDIA® GeForce® GT630 DisplayPort 2GB LP, 2 GB |
| | NVIDIA® GeForce® 605 DisplayPort 1GB LP, 1 GB |
| | LFH59/ 2x DVI-I adapter cable |
| | LFH59/ 2x DP adapter cable |
| | DP to DVI-D (single link) Adapter Cable |
| | 2nd NVIDIA® Quadro® NVS 300 LP, 512 MB |
| **Drives (optional)** | BD Triple Writer SATA slim (tray) |
| | DVD-ROM |
| | DVD Super Multi |
| | MCR 24in1 & USB 3.0 front con., 3.5" |
| | MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch |
| | 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, DS |
| | eSATA Interface |
| | Dual serial card PCIe x1, powered |
| | Dual serial card PCIe x1 |

| Base unit | ESPRIMO E900 E85+ |
|---|---|

### Mainboard

| | |
|---|---|
| Mainboard type | D3062 |
| Formfactor | µATX |
| Chipset | Intel® Q67 |
| Processor socket | LGA 1155 |
| Processor quantity maximum | 1 |
| Memory slots | 4 DIMM (DDR3) |
| Supported capacity RAM (max.) | 32 GB |
| Memory frequency | 1333 MHz |
| Memory notes | Dual channel support.<br>For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same.<br>> 16 GB support with future memory modules |
| LAN | 10/100/1000 MBit/s Intel® 82579 LM |
| BIOS version | AMI Aptio 4.6 |
| BIOS features | BIOS Flash EPROM update by software<br>Recovery BIOS<br>Unified Extensible Firmware Interface (UEFI)<br>FastOn |
| Audio codec | Conexant CX20642 |
| Audio features | Internal speaker supports audio playback, High Definition audio, 5.1 surround sound |

### I/O controller on board

| | |
|---|---|
| Serial ATA total | 6 |
| thereof SATA III | 2 |
| thereof eSATA | 2 (optional) |
| Controller functions | Serial ATA II (3 Gbit)<br>Serial ATA III (6 Gbit)<br>NCQ<br>AHCI<br>Raid 1/0 |

### 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 | 14 |
| USB 3.0 total | optional |
| USB front | 4 |
| USB rear | 8 |
| USB internal | 2 |
| VGA | 1 (via DVI to VGA adapter, part of shipment) |
| DisplayPort | 1 |
| DVI | 1 (DVI-I) |
| Serial (RS-232) | 1 (9pin, 16 byte FIFO, 16550 compatible) |
| Mouse / Keyboard (PS/2) | 2 |
| Ethernet (RJ-45) | 1 |
| Parallel | 1 (optional) (25pin with EPP and ECP) |
| eSATA | 1 (optional) |
| Interface Module notes | Anytime USB charge functionality |

## Input device / components

| | |
|---|---|
| | Optical USB tilt wheel mouse |
| Input devices (optional) | Optical USB/PS2 tilt wheel mouse<br>KBPC PX ECO<br>Mouse M440 ECO |

## Drive bays

| | |
|---|---|
| Drive bays total | 3 |
| 3.5-inch internal bays | 1 |
| 3.5-inch external bays | 1 |
| 5.25-inch external bays | 1 |
| Drive bay notes | optional external bay as internal 3,5" |

## Slots

| | |
|---|---|
| PCI-Express 2.0 x16 | 1 x (200 mm / 7.87 inch) Low profile |
| PCI-Express 2.0 x4 (mech. x16) | 1 x (200 mm / 7.87 inch) Low profile |
| PCI-Express x1 | 1 x (174 mm / 6.85 inch) Low profile |
| PCI (32-bit / 33 MHz) | 1 x (174 mm / 6.85 inch) Low profile |
| Slots optional configuration | or 2x PCI full high via Riser |

## 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<br>1280 x 1024 pixel<br>1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1600 x 1200 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |
| TFT resolution (DVI) | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |
| TFT resolution (DisplayPort) | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel<br>2560 x 1440 pixel<br>2560 x 1600 pixel |
| Graphics features | Dual display support<br>DirectX 10.1<br>HDCP support<br>OpenGL® 2.1<br>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<br>Shared memory depending on main memory size and operating system<br>Resolution (color depth up to 32 Bit/pixel)<br>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 |

## Electrical values

| | |
|---|---|
| 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 |
| Monitor outlet | No |

## Power consumption

| | |
|---|---|
| Power consumption note | See white paper Energy Consumption<br>0-Watt mode with hard-off switch |
| Link to Energy White Paper | http://docs.ts.fujitsu.com/dl.aspx?id=b36691bf-106f-4f8f-9864-67cb29eacc19 |

## 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) | 4.1 B/ 26 dB(A) |
| Noise Operation mode 2: HDD load (Blue angel requirement) | 3.4 B/ 19 dB(A) |
| Noise Operation mode 3: CPU 90% load (Blue angel requirement) | 3.8 B/ 24 dB(A) |
| Noise Operation mode 4: High load | 3.8 B/ 24 dB(A) |
| Noise Operation mode 5: Office applications 2.0 | 3.4 B/ 20 dB(A) |
| Idle mode (Blue Angel requirement) | 3.3 B/ 18 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) | 340 x 382 x 98 mm<br>13.39 x 15.04 x 3.86 inch |
| Operating position | horizontal / vertical (optional, feet needed) |
| Weight | 10 kg |
| Weight (lbs) | 22.05 lbs |
| Weight notes | Actual weight may vary depending on configuration |
| Operating ambient temperature | 10 - 35℃ (50 - 95℉) |

## Compliance

| | |
|---|---|
| Product | ESPRIMO E900 |
| Model | DT8-3062 |
| Germany | TÜV GS |
| Europe | CE<br>Nordic Swan |
| USA/Canada | FCC Class B<br>cCSAus |
| Global | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronic equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>ENERGY STAR®<br>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 (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** | http://ts.fujitsu.com/manageability |

## 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) | 467 x 265 x 540 mm |
| Packaging dimension (inch) | 18.39 x 10.43 x 21.26 inch |
| Max. quantity / pallet | 28 |
| Material - Weight (g) Carton | 1140 g |
| Material - Weight (lbs) Carton | 2.51 lbs |
| Material - Weight (g) EPS / PS | 180 g |
| Material - Weight (lbs) EPS / PS | 0.4 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 | 3 years |
| 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 | 5 years |
| Service Weblink | http://www.fujitsu.com/fts/services/support/index.html |

# 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. | 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. | S26381-K341-L1** (**: country specific variation) |
| **SOUNDSYSTEM DS P2100 Tube** | Taking inspiration from a hi-fi sound bar, the Fujitsu SOUNDSYSTEM DS P2100 Tube presents you with living room design art pieces for acoustic enjoyment. Automatic amplifier adjustment ensures extremely low distortion, which will protect the hearing and avoid speaker damage. With new convenient volume control- Fade-in & Fade-out audio effect. The small & robust satellite speaker is decorated with a deluxe piano finish and the aluminum tube is adorned with a fine print of an exotic motif at its base. | Order Code: S26391-F7128-L500 |
| **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 S2000NC Headset** | | The HS S2000NC Headset offers more than current headsets. Besides superb sound quality, the headset provides an impressive feature: a button to switch off noise and disburden your ears of unwanted noise level. Thanks to a special technology based on wave inversion this headset reduces unwanted noise by up to 70 % for a quieter audio experience. The sponge cushion specially made by BioProtein ensures optimum comfort for long hours travelling by rail or air. | Order Code: S26391-F7139-L3 |
| **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 |
| **MYUSBS A910** | | The high-quality MYUSBS A910 is a high-class, cost-efficient storage device, which can be used with any standard USB port. Available in different storage capacities the stylish MYUSBS A910 is perfect for a wide range of application areas. This extremely easy to use Plug & Play device fits in any pocket. | Order Code: S26391-F6048-L208 |

# More information

## Fujitsu OPTIMIZATION Services

In addition to Fujitsu ESPRIMO E900 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/

## More information

Learn more about Fujitsu ESPRIMO E900 E85+, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
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 resolve issues of environmental energy efficiency through IT. Please find further information at http://www.fujitsu.com/global/about/environment/



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