

Windows®. Life without Walls™.  
Fujitsu recommends Windows 7.

# Data Sheet

## Fujitsu ESPRIMO E700 E90+ Desktop PC

Preliminary Data sheet / For internal use only

Company confidential

Your desktop PC without any compromises

### ESPRIMO E700 E90+

A PC with new design and small form factor - the ESPRIMO E700 E90+ is the ideal choice for your workplace. Depending on the space you have available, you can position the PC vertically or horizontally. Equipped with state-of-the-art Intel® chipset and processor technology the PC provides top-performance levels to meet the requirements of your daily business applications - and remains quiet and efficient. Furthermore, this device is equipped with an up to 92% efficient power supply, thus already meeting ENERGY STAR® criteria. You thus achieve a considerably better energy balance, protecting both the environment and your budget.



### Small form factor PC

Flexible desktop solution whatever the space required

- Less than 13 liters volume, can be positioned vertically and horizontally

### Power-saving and awarded ENERGY STAR® certificate

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

- Power supply with up to 92% efficiency and enhanced power management settings



### Environmental product

Your 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

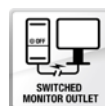
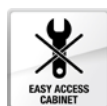
Pleasant working environment due to an extremely quiet system

- Innovative hardware design, optimized cooling concept

### Serviceability

Easy to extend and optimal user-friendliness without any additional tools

- Easy access to all replaceable and expandable components



# Components

<b>Processor</b>	Intel® Core™ i7-2600 processor (4 Cores / 8 Threads, 3.40 GHz, 8 MB, Intel® HD Graphics 2000) Intel® Core™ i5-2500 processor (4 Cores / 4 Threads, 3.30 GHz, 6 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™ i3-2100 processor (2 Cores / 4 Threads, 3.10 GHz, 3 MB, Intel® HD Graphics 2000)
<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>	Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite. Limited Windows XP support. Microsoft discontinued Windows XP certification on system level.
<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>	SSD SATA, 128 GB, 2.5-inch SATA III, 7200 rpm, 1000 GB, 3.5-inch SATA III, 7200 rpm, 500 GB, 3.5-inch, business critical SATA III, 7200 rpm, 500 GB, 3.5-inch SATA III, 7200 rpm, 320 GB, 3.5-inch SATA II, 7200 rpm, 500 GB, 3.5-inch, business critical SATA II, 7200 rpm, 160 GB, 2.5-inch Up to 18 GB of HDD space is reserved for system recovery
<b>Graphics add on cards (optional)</b>	NVIDIA® Quadro® NVS 300 LP, 512 MB NVIDIA® GeForce® GT 420 NVIDIA® GeForce® 405 display port low profile, 512 MB 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
<b>Drives (optional)</b>	Blu-ray Disc™ Triple Writer DVD-ROM DVD Super Multi MultiCard Reader 20in1, USB 2.0, 3.5-Inch MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch
<b>Interface add on cards/components (optional)</b>	WLAN III, 802.11g/Draft-n (Windows only) USB 3.0 PCIe x1 Parallel Interface Gigabit Ethernet PCIe x1, DS eSATA Interface Dual serial card PCIe x1, powered Dual serial card PCIe x1

Base unit	ESPRIMO E700 E90+
<b>Mainboard</b>	
Mainboard type	D3061
Formfactor	µATX
Chipset	Intel® Q65
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. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same. > 16 GB support with future memory modules
LAN	10/100/1000 MBit/s Intel® 82579 V
BIOS version	AMI Aptio 4.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio codec	Conexant CX20642
Audio features	Internal speaker supports audio playback, High Definition audio, 5.1 surround sound
<b>I/O controller on board</b>	
Serial ATA total	5
thereof SATA III	1
thereof eSATA	2 (optional)
Controller functions	Serial ATA II (3 Gbit) Serial ATA III (6 Gbit) NCQ AHCI
<b>Interfaces</b>	
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
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
<b>Input device / components</b>	
	Optical USB tilt wheel mouse

**Input device / components**

<b>Input devices (optional)</b>	Optical USB/PS2 tilt wheel mouse KBPC PX ECO Mouse M440 ECO
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**Drive bays**

<b>Drive bays total</b>	3
<b>3.5-inch internal bays</b>	1
<b>3.5-inch external bays</b>	1
<b>5.25-inch external bays</b>	1
<b>Drive bay notes</b>	optional external bay as internal 3,5"

**Slots**

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

**Graphics on board**

<b>Graphics brand name</b>	Intel® HD Graphics or HD Graphics 2000 (depending on CPU)
<b>Shared video memory</b>	up to 1759 MB
<b>TFT resolution (VGA)</b>	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
<b>TFT resolution (DVI)</b>	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
<b>TFT resolution (DisplayPort)</b>	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
<b>Graphics features</b>	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)
<b>Graphics notes</b>	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**

<b>Power efficiency note</b>	power supply efficiency (at 230V; 20% / 50% / 100% load) : 88% / 92% / 91%
<b>Rated voltage range</b>	100 V - 240 V

**Electrical values**

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	Switched

**Power consumption**

Power consumption note	See white paper Energy Consumption
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**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	tbd
Noise Operation mode 1: ODD load (Blue angel requirement)	4.1 B/ 27 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)	3.5 B/ 21 dB(A)
Noise Operation mode 4: High load	3.6 B/ 21 dB(A)
Idle mode (Blue Angel requirement)	3.4 B/ 19 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
Operating position	Vertical / horizontal (no feet needed)
Weight	approx. 10 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35°C

**Compliance**

Product	ESPRIMO E700
Model	DT8-3061
Germany	Blauer Engel / Blue Angel in progress GS in progress
Europe	CE Nordic Swan in progress
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® in progress EPEAT® in progress
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

**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**

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 features**

DeskUpdate Driver management  
PXE 2.1 Boot code  
Wake up from S5 (off mode)  
Intrusion switch (optional)  
Intel® Standard Manageability

**Manageability type**

DeskView 10.x client management including:

**DeskView features**

On/Offline remote client management  
Detailed system inventory management and reports  
BIOS Management  
Remote power management  
System notifications  
Security Remote Control  
DeskView Helpdesk Integration  
WoL (Wake on LAN)

**Manageability link**

<http://ts.fujitsu.com/manageability>  
<http://www.altiris.com/fujitsu>

**Security****Physical security**

Kensington Lock support  
Eye for padlock  
Optional: Integrated cabinet lock

**System security**

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

**User security**

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**

467x265x540 mm

**Max. quantity / pallet**

28

**Material - Weight (g) Carton**

1140 g

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

180 g

**Material - Weight (g) PE**

appr. 60 g

**Packaging notes**

printed user documentation is bleached in chlorine free process

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**Warranty**

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Standard Warranty	1 year
Service level	Bring-In / On-Site Service (depending on country)
<b>Maintenance and Support Services - the perfect extension</b>	
Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

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## More information

### Fujitsu platform solutions

In addition to Fujitsu ESPRIMO E700 E90+, 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 E700 E90+, 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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2011-03-01 CE-EN

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