

Fujitsu recommends Windows® 7.

# Data Sheet

## Fujitsu ESPRIMO E700 E90+ Desktop PC

Your Desktop PC Without Any Compromises

Fujitsu ESPRIMO E/P700 PCs bring you highly expandable technology for your challenging business applications. The use of identical components ensures perfect infrastructure compatibility and simplifies rollout. A 92%-efficient power supply will ensure environmental compliance for years to come. Intel® Advanced Manageability tools keep administration costs to a minimum. Plus, EraseDisk ensures secure system retirement.



### 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

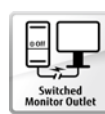
Pleasant working environment due to an extremely quiet system

- 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™ i3-2120 processor (2 Cores / 4 Threads, 3.30 GHz, 3 MB, Intel® HD Graphics 2000)
	Intel® Core™ i3-2100 processor (2 Cores / 4 Threads, 3.10 GHz, 3 MB, Intel® HD Graphics 2000)
	Intel® Pentium® processor G850 (2 Cores / 2 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics)
	Intel® Pentium® processor G840 (2 Cores / 2 Threads, 2.80 GHz, 3 MB, Intel® HD Graphics)
	Intel® Pentium® processor G620 (2 Cores / 2 Threads, 2.60 GHz, 3 MB, Intel® HD Graphics)
Intel® Celeron® processor G530 (2 Cores / 2 Threads, 2.40 GHz, 2 MB, Intel® HD Graphics)	
<b>Operating systems</b>	
<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>	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>
<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, 256 GB, 2.5-inch
	SSD SATA, 128 GB, 2.5-inch
	mSATA, 16 GB, Flash drive
	mSATA, 8 GB, Flash drive
	mSATA, 4 GB, Flash drive
	mSATA, 2 GB, Flash drive
	mSATA, 1 GB, Flash drive
	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, 320 GB, 3.5-inch
	HDD SATA II, 7200 rpm, 160 GB, 2.5-inch
	HDD SATA, 320 GB, 2.5-inch
<b>Hard disk notes</b>	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

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

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+

**Mainboard**

**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

**I/O controller on board**

**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

**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)

**Interfaces**

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 KBPC PX ECO 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) Low profile
PCI-Express 2.0 x4 (mech. x16)	1 x (200 mm) Low profile
PCI-Express x1	1 x (174 mm) Low profile
PCI (32-bit / 33 MHz)	1 x (174 mm) 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 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 on board**

<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
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**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
<b>Rated frequency range</b>	50 Hz - 60 Hz
<b>Operating voltage range</b>	90 V - 264 V
<b>Operating line frequency range</b>	47 Hz - 63 Hz
<b>Max. output of single power supply</b>	280 W
<b>Power factor correction/active power</b>	active
<b>Monitor outlet</b>	Switched

**Power consumption**

<b>Power consumption note</b>	See white paper Energy Consumption
<b>Link to Energy White Paper</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=3e39a1c1-4835-4166-a19e-868fd1584abf">http://docs.ts.fujitsu.com/dl.aspx?id=3e39a1c1-4835-4166-a19e-868fd1584abf</a>

**Heat dissipation**

<b>Heat dissipation notes</b>	See white paper Energy Consumption
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**Noise for standard configuration (HDD, ODD)**

<b>Noise emission</b>	According to ISO9296
<b>Related Processors for noise</b>	Intel® Core™ i5 2400
<b>Noise Operation mode 1: ODD load (Blue angel requirement)</b>	4.1 B/ 27 dB(A)
<b>Noise Operation mode 2: HDD load (Blue angel requirement)</b>	3.4 B/ 19 dB(A)
<b>Noise Operation mode 3: CPU 90% load (Blue angel requirement)</b>	3.5 B/ 21 dB(A)
<b>Noise Operation mode 4: High load</b>	3.6 B/ 21 dB(A)
<b>Noise Operation mode 5: Office applications 2.0</b>	3.4 B/ 19 dB(A)
<b>Idle mode (Blue Angel requirement)</b>	3.4 B/ 19 dB(A)
<b>Noise notes / description</b>	A weighted sound power level L <sub>wad</sub> (in B) / workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A)), Bystander position

**Dimensions / Weight / Environmental**

<b>Dimensions (W x D x H)</b>	340 x 382 x 98 mm
<b>Operating position</b>	Vertical / horizontal (optional, feet needed)
<b>Weight</b>	approx. 10 kg
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Operating ambient temperature</b>	10 - 35°C

**Compliance**

<b>Product</b>	ESPRIMO E700
<b>Model</b>	DT8-3061
<b>Germany</b>	TÜV GS
<b>Europe</b>	CE Nordic Swan
<b>USA/Canada</b>	FCC Class B cCSAus
<b>Global</b>	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**

**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  
Microsoft® Office Starter: reduced-functionality Word and Excel® only, with advertising. No PowerPoint® or Outlook®. Buy Office 2010 to use the full-featured 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)  
Intel® Standard Manageability

**Manageability software** DeskView 10.x client management including:  
**DeskView components** 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**

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

**Audit proof protection** 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

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**Serviceability**

EasyFix  
EasyChange for HDD  
EasyChange for optical drives

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**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**

Standard Warranty	1 year
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	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

## 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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2011-12-20 CE-EN

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