

# DATASHEET

## FUJITSU ESPRIMO E5730 E85+ DESKTOP PC

### YOUR DESKTOP WITHOUT COMPROMISES

#### ESPRIMO E5730 E85+

As a small form factor PC the ESPRIMO E5730 E85+ is the ideal choice for your desk. Depending on the space you have available, you can position the PC vertically or horizontally - without an additional base. Equipped with Intel® chipset and processor technology the high performance levels of this efficient and quiet PC meet the requirements of your daily business applications. It also has a power supply with up to 87% efficiency which significantly helps to protect the environment and reduce your costs.



#### SMALL FORM FACTOR PC

Flexible desktop solution whatever the space required

- less than 13 litres volume, can be positioned vertically and horizontally

#### ENERGY SAVING

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

- State-of-the-art technology, low energy-consuming processors, up to 87% efficient power supply and enhanced power management settings



#### ENVIRONMENTALLY COMPATIBLE PRODUCT

Your contribution to environmental protection for the continued existence of our planet

- Halogen-free mainboard, sophisticated product concept for the entire lifecycle

#### SILENT OPERATION

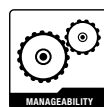
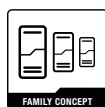
Pleasant working environment due to an extremely quiet system

- 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

## PROCESSOR

Intel® Core™2 Quad processor Q9650 (4C/4T, 3.0 GHz, 12 MB, 1333 MHz)  
Intel® Core™2 Quad processor Q9550 (4C/4T, 2.83 GHz, 12 MB, 1333 MHz)  
Intel® Core™2 Quad processor Q9505 (4C/4T, 2.83 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Quad processor Q9400 (4C/4T, 2.66 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Quad processor Q8300 (4C/4T, 2.5 GHz, 4 MB, 1333 MHz)  
Intel® Core™2 Duo processor E8600 (2C/2T, 3.33 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Duo processor E8500 (2C/2T, 3.16 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Duo processor E8400 (2C/2T, 3.0 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Duo processor E7600 (2C/2T, 3.06 GHz, 3 MB, 1066 MHz)  
Intel® Core™2 Duo processor E7500 (2C/2T, 2.93 GHz, 3 MB, 1066 MHz)  
Intel® Pentium® processor E6300 (2C/2T, 2.8 GHz, 2 MB, 1066 MHz)  
Intel® Pentium® processor E5400 (2C/2T, 2.7 GHz, 2 MB, 800 MHz)  
Intel® Pentium® processor E5200 (2C/2T, 2.5 GHz, 2 MB, 800 MHz)  
Intel® Celeron® processor E3200 (2C/2T, 2.4 GHz, 1 MB, 800 MHz)  
Intel® Celeron® processor 450 (1C/1T, 2.2 GHz, 512 KB, 800 MHz)

## MEMORY MODULES

1 GB (1 module(s) 1 GB) DDR2, 800 MHz, PC2-6400, DIMM  
2 GB (1 module(s) 2 GB) DDR2, 800 MHz, PC2-6400, DIMM  
4 GB (1 module(s) 4 GB) DDR2, 800 MHz, PC2-6400, DIMM

## HARD DISK DRIVES (INTERNAL)

SSD SATA, 128 GB, 2.5-inch  
SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical  
SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.  
CF module IDE, 512 MB  
CF module IDE, 4 GB, (300x)  
CF module IDE, 1 GB

## Hard disk notes

Supporting NCQ and 3 GBit  
CF Modules for thin client usage (with or without embedded software)

## GRAPHICS ADD ON CARDS (OPTIONAL)

Dual DVI Adapter  
DVI Adapter  
NVIDIA® Geforce® 9300GE display port low profile, 512 MB  
NVIDIA® Geforce® 9300GE low profile, 256 MB  
NVIDIA® Geforce® 9300GE low profile, 512 MB  
NVIDIA® Geforce® 9500GS low profile, 512 MB  
NVIDIA® Quadro NVS 290 low profile, 256 MB

## MODULAR BAY OPTIONS

1.44 MB Floppy  
Blu-ray Disc Triple Writer, SATA I  
DVD-ROM, SATA I  
DVD Super Multi, SATA I  
MultiCard Reader 20in1, 3,5-Inch, USB 2.0

## INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)

WLAN III, 802.11g/Draft-n (Windows only)  
WLAN II, 802.11g, 54Mbps (Windows only)  
Parallel Interface  
Modem adapter kit (EU)  
Modem 56k incl. RJ11 modem cable  
Gigabit Ethernet PCIe x1  
FireWire PCI-Card IEEE1394  
eSATA Interface  
Dual serial card PCI LP

**Base unit** ESPRIMO E5730 E85+

## MAINBOARD

**Mainboard type** D2824  
**Formfactor** proprietary  
**Chipset** Intel® Q43  
**Processor socket** LGA 775  
**Processor quantity maximum** 1  
**System bus (FSB / HT / QPI)** up to 1333 MHz  
**Memory slots** 4 DIMM (DDR2)  
**Supported capacity RAM (max.)** 16 GB  
**Memory frequency** 800 MHz  
**Memory notes** With future modules.  
Dual channel support.  
For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules).  
**LAN** 10/100/1000 MBit/s Intel® 82567 LF  
**BIOS version** Phoenix 6.0  
**BIOS features** BIOS Flash EPROM update by software  
Recovery BIOS  
**Audio codec** Realtek ALC663  
**Audio features** Internal speaker supports audio playback, High Definition audio

## I/O CONTROLLER ON BOARD

**Serial ATA total** 4  
**thereof eSATA** 1 (optional)  
**Controller functions** Serial ATA II  
NCQ and 3 GBit  
AHCI

## INTERFACES

**Audio: line-in** 1  
**Audio: line-out** 1  
**USB 2.0 total** 12  
**USB front** 2  
**USB rear** 6  
**USB internal** 4  
**VGA** 1  
**DVI** optional  
**Serial (RS-232)** 2 (9pin, 16 byte FIFO, 16550 compatible)  
**Mouse / Keyboard (PS/2)** 2  
**Ethernet (RJ-45)** 1  
**Parallel** optional (25pin with EPP and ECP)

## INPUT DEVICE / COMPONENTS

Optical USB tilt wheel mouse  
Optional: Optical USB/PS2 tilt wheel mouse

## 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 (210 mm) low profile
PCI-Express x4 (mech. x8)	1 x (210 mm) low profile
PCI (32-bit / 33 MHz)	2 x (190 mm) low profile
Slots optional configuration	or 1x PCI Express x16 low profile (190mm) and via Riser 2 x PCI full height (174 / 210 mm)

## GRAPHICS ON BOARD

Graphics brand name	Intel® GMA 4500
Shared video memory	up to 256 MB
Refresh rate 1024 x 768 (recommended / max.)	85 Hz / -
Refresh rate 1280 x 1024 (recommended / max.)	85 Hz / -
Refresh rate 1600 x 1200 (recommended / max.)	85 Hz / -
TFT resolution (VGA)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel
Graphics features	DirectX 10
Graphics notes	Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size 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) : 84% / 87% / 85%) 0-Watt mode with hard-off switch
Rated voltage range	100 - 240 V
Rated frequency range	50 - 60 Hz
Operating voltage range	90 - 264 V
Operating line frequency range	47 - 63 Hz
Max. output of power supply	250 W
Power factor correction/active power	active
Monitor outlet	No

## POWER CONSUMPTION

Power consumption note	See white paper Energy Consumption
Link to Energy White Paper	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=6230a15e-7da9-4d5b-bc10-1d06636639d2">http://docs.ts.fujitsu.com/dl.aspx?id=6230a15e-7da9-4d5b-bc10-1d06636639d2</a>

## HEAT DISSIPATION

Heat dissipation notes	See white paper Energy Consumption
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## NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)

Noise emission	According to ISO9296
Related Processors for noise	Intel® Core™2 Duo E8600
Noise Operation mode 1: ODD load (Blue angel requirement)	4,5 B / 30 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3,5 B / 18 dB(A)

## NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)

<b>Noise Operation mode 3: CPU 90% load (Blue angel requirement)</b>	3,5 B / 19 dB(A)
<b>Noise Operation mode 4: High load</b>	3,5 B / 19 dB(A)
<b>Noise Operation mode 5: Office applications</b>	3,5 B / 19 dB(A)
<b>Idle mode (Blue Angel requirement)</b>	3.5 B / 18 dB(A)
<b>Noise notes / description</b>	A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)), Bystander position

## DIMENSIONS / WEIGHT / ENVIRONMENTAL

<b>Dimensions (W x D x H)</b>	340 x 380 x 100 mm
<b>Operating position</b>	Vertical / horizontal (no feet needed)
<b>Weight</b>	approx. 11 kg
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Operating ambient temperature</b>	15 - 35°C

## COMPLIANCE

<b>Product</b>	ESPRIMO E5730
<b>Model</b>	DT7-2828
<b>Germany</b>	GS optional
<b>Europe</b>	CE Nordic Swan
<b>USA/Canada</b>	FCC Class B UL CSA
<b>Global</b>	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL)
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

## OPERATING SYSTEM

<b>Operating system optional preinstalled</b>	Microsoft® Windows® 7 Home Premium Microsoft® Windows® 7 Professional Microsoft® Windows Vista® Home Basic Microsoft® Windows Vista® Home Premium Microsoft® Windows Vista® Business 32-bit Microsoft® Windows Vista® Business 64-bit TwinLoad Microsoft® Windows® XP Professional (DVD)
<b>Operating system compatible</b>	Linux
<b>Operating system notes</b>	All Windows Vista® and Windows® 7 versions are Office 2007 ready.

## ADDITIONAL SOFTWARE

<b>Additional software (preinstalled)</b>	Nero Essentials S (burning software)
<b>Additional software (optional)</b>	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive)

## COMPATIBILITY (REFERENCES)

	DMI 2.0 PC 2001 WMI 1.5 USB 2.0
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## MANAGEABILITY

<b>Manageability features</b>	ASF 2.0 (Alert Standard Format) DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional) PXE 2.1 Boot code BootP Boot Code including Bootmanage Administrator Software (tested) Wake up from S5 (off mode) Intrusion switch (optional) Intel® Standard Manageability
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## MANAGEABILITY

<b>Manageability type</b>	DeskView 10.x client management including:
<b>DeskView features</b>	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Advanced alerts (ASF implementation) Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
<b>Manageability link</b>	<a href="http://ts.fujitsu.com/manageability">http://ts.fujitsu.com/manageability</a> <a href="http://www.altiris.com/fujitsu">http://www.altiris.com/fujitsu</a>

## SECURITY

<b>Physical security</b>	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock
<b>System security</b>	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 Boot protection for floppy disk / CD drive and write protection for floppy disk drive Control of external interfaces
<b>User security</b>	User and supervisor BIOS password SystemLock 2 BIOS SmartCard Security Hard disk password Optional: Access protection via external SmartCard reader Optional: Access protection via internal SmartCard reader

## SERVICEABILITY

	FlexySlot EasyFix EasyChange for HDD EasyChange for optical drives
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## PACKAGING INFORMATION

<b>Packaging dimension</b>	500x290x540 mm
<b>Max. quantity / pallet</b>	24
<b>Material - Weight (g) Carton</b>	1270 g
<b>Material - Weight (g) EPS / PS</b>	230 g
<b>Material - Weight (g) PE</b>	appr. 60 g
<b>Packaging notes</b>	printed user documentation is bleached in chlorine free process

## WARRANTY

### MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

<b>Recommended Service</b>	5x9, Response Time: Next Business Day
<b>Spare Parts availability</b>	5 years
<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>

#### FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu ESPRIMO E5730 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/](http://www.fujitsu.com/global/services/computing/)

#### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

#### MORE INFORMATION

Learn more about Fujitsu ESPRIMO E5730 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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