

DATASHEET

FUJITSU ESPRIMO P7935 E-STAR 5.0 DESKTOP PC

YOUR EXPANDABLE WORKHORSE

ESPRIMO P7935 E-STAR 5.0

The ESPRIMO P7935 equipped with state-of-the-art Intel® chip and processor technology is the ideal partner for all your demanding business applications. Produced with selected material and equipped with comprehensive powersave options and energy-saving management, the ESPRIMO microtower PC today already meets the environment requirements of tomorrow. With extended system management functions, intelligent hardware design, extensive tests and a lifecycle of up to 18 months, the high performance levels of this PC meet every requirement. Furthermore, this microtower, equipped with an efficient power supply (up to 87%) today already meets ENERGY STAR® 5.0 criteria.

MICROTOWER

Maximum performance and optimal extendability

- Top-quality, high-value microtower, 6 drive bays, 4 PCI/PCI express interfaces

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

QUIET

Pleasant working environment due to an extremely quiet system

- Innovative hardware design, optimized fan concept

SYSTEM MANAGEMENT

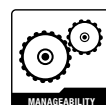
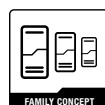
Simple system administration for complex IT infrastructures

- Intel® vPro™ technology

ENERGY STAR® 5.0

Low power consumption and costs with no loss in performance.

- Power supply with up to 87% efficiency and enhanced power management settings



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)
MEMORY MODULES	1 GB (1 module(s) 1 GB) DDR2, 800 MHz, PC2-6400
	2 GB (1 module(s) 2 GB) DDR2, 800 MHz, PC2-6400
	2 GB (2 module(s) 1 GB) DDR2, 800 MHz, PC2-6400
	4 GB (1 module(s) 4 GB) DDR2, 800 MHz, PC2-6400
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.
Hard disk notes	Supporting NCQ and 3 GBit
GRAPHICS ADD ON CARDS (OPTIONAL)	ATI Radeon® HD 3450, 256 MB
	Dual DVI Adapter
	DVI Extension Adapter
	NVIDIA® GeForce® 9300GE, 256 MB
	NVIDIA® GeForce® 9300GE, 512 MB
	NVIDIA® GeForce® 9300GE display port low profile, 512 MB
	NVIDIA® GeForce® 9500GS, 512 MB
	NVIDIA® Quadro NVS 290, 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)	Parallel Interface
	FireWire PCI-Card IEEE1394
	eSATA Interface
	Dual serial card, PCI, EX-43092
Base unit	ESPRIMO P7935 E-Star5
MAINBOARD	
Mainboard type	D2812-A2x

MAINBOARD

Formfactor	µBTX
Chipset	Intel® Q45
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	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 LM
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, 5.1 surround sound

I/O CONTROLLER ON BOARD

Serial ATA total	4
thereof eSATA	2 (optional)
Controller functions	Serial ATA II NCQ and 3 GBit AHCI Raid 1/0

INTERFACES

Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out	1
USB 2.0 total	12
USB front	2
USB rear	6
USB internal	4, thereof 2 optional rear
VGA	1
DVI	optional
Serial (RS-232)	1 (9pi, 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
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DRIVE BAYS

Drive bays total	6
3.5-inch internal bays	2
3.5-inch external bays	2
5.25-inch external bays	2

SLOTS

PCI-Express x16	1 x (230 mm) FlexySlot
PCI-Express x4 (mech. x8)	1 x (230 mm) full height
PCI (32-bit / 33 MHz)	2 x (170 / 315 mm) full height

GRAPHICS ON BOARD

Graphics brand name	Intel® GMA 4500
Shared video memory	up to 256 MB

GRAPHICS ON BOARD

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) : 85% / 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	300 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	http://docs.ts.fujitsu.com/dl.aspx?id=697cde6d-0f13-4fd8-8420-a5a9cfccd5a5

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 / 19 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	3.5 B / 19 dB(A)
Noise Operation mode 4: High load	3.5 B / 19 dB(A)
Noise Operation mode 5: Office applications	3.5 B / 19 dB(A)
Idle mode (Blue Angel requirement)	3.5 B / 19 dB(A)
Noise notes / description	A weighted sound power level L _{wad} (in B) / workplace related A-weighted sound pressure level L _{pAm} (in dB(A)), Bystander position

DIMENSIONS / WEIGHT / ENVIRONMENTAL

Dimensions (W x D x H)	203 x 390 x 392 mm
Operating position	Vertical
Weight	approx. 12 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	15 - 35°C

COMPLIANCE

Product	ESPRIMO P7935
Model	MI3W-D2812
Germany	Blauer Engel / Blue Angel GS optional
Europe	CE Nordic Swan
USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 5.0 EPEAT® Silver
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

OPERATING SYSTEM

Operating system optional preinstalled	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)
Operating system compatible	Linux
Operating system notes	All Windows Vista® and Windows® 7 versions are Office 2007 ready.

ADDITIONAL SOFTWARE

Additional software (preinstalled)	Nero Essentials S (burning 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)

COMPATIBILITY (REFERENCES)

	DMI 2.0 PC 2001 WMI 1.5 USB 2.0
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MANAGEABILITY

Manageability features	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) iAMT 5.0
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 Advanced alerts (ASF implementation) 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) - Infineon 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
User security	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

PACKAGING INFORMATION

Packaging dimension	500x290x540 mm
Max. quantity / pallet	24
Material - Weight (g) Carton	1270 g
Material - Weight (g) EPS / PS	210 g
Material - Weight (g) PE	appr. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process

WARRANTY

MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice



FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu ESPRIMO P7935 E-Star 5.0, 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/

Software

www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu ESPRIMO P7935 E-Star 5.0, 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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