

Fujitsu recommends Windows® 7.

Data Sheet

Fujitsu ESPRIMO E910 0-Watt Desktop PC

Preliminary Data sheet / For internal use only

Company confidential

The Innovative 0-Watt PC

Fujitsu ESPRIMO E910 PCs give you the absolute highest PC manageability, performance and expandability. These 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.



0-Watt PC

Cost savings by completely reducing off-mode losses

- Patented function for 0-Watt power consumption in off mode with simultaneous management in a time slot that can be optionally set

Zero Noise PC

Pleasant working environment due to completely quiet system (solid state disk required)

- Fan stop in standard operations



Environmentally conscious product with ENERGY STAR® certification

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

- Halogen-free printed circuit mainboard and power supply, sophisticated product concept for the entire lifecycle

Highest energy efficiency coupled with intelligent performance

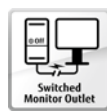
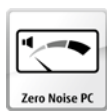
The best-in-class regarding power consumption combined with new levels of performance

- 3rd generation Intel® Core™ processors with Turbo Boost and Hyper-Threading technology, a switched monitor outlet and a power supply with up to 94% efficiency

System management

Simple system administration for complex IT infrastructures

- Intel® vPro™ technology (depending on processor)



Components

Processor	Intel® vPro™ Logo with Intel® Core i5 and Core i7 processors
	Intel® Core™ i7-3770 processor (4 Cores / 8 Threads, 3.40 GHz, 8 MB, Intel® HD Graphics 4000)
	Intel® Core™ i5-3570 processor (4 Cores / 4 Threads, 3.40 GHz, 6 MB, Intel® HD Graphics 2500)
	Intel® Core™ i5-3550 processor (4 Cores / 4 Threads, 3.30 GHz, 6 MB, Intel® HD Graphics 2500)
	Intel® Core™ i5-3470 processor (4 Cores / 4 Threads, 3.20 GHz, 6 MB, Intel® HD Graphics 2500)
	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® Pentium® processor G630 (2 Cores / 2 Threads, 2.70 GHz, 3 MB, Intel® HD Graphics)
	Intel® Celeron® processor G530 (2 Cores / 2 Threads, 2.40 GHz, 2 MB, Intel® HD Graphics)
Operating systems	
Operating system	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
Operating system compatible	openSUSE Linux Genuine Windows® XP
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, 1600 MHz, PC3-12800, DIMM
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1600 MHz, PC3-12800, DIMM
	8 GB (1 module(s) 8 GB) DDR3, unbuffered, non-ECC, 1600 MHz, PC3-12800, DIMM
Hard disk drives (internal)	
	SSD SATA III, 128 GB, 2.5-inch
	HDD SATA III, 7200 rpm, 2000 GB, 3.5-inch
	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
	MultiCard Reader 16in1, USB 2.0, 3.5"

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

WLAN III, 802.11g/Draft-n (Windows only)
 Parallel Interface
 Gigabit Ethernet PCIe x1, DS
 eSATA Interface
 Dual serial card PCIe x1, powered
 Dual serial card PCIe x1

Base unit ESPRIMO E910 0-Watt

Mainboard

Mainboard type	D3162
Formfactor	µATX
Chipset	Intel® Q77
Processor socket	LGA 1155
Processor quantity maximum	1
Memory slots	4 DIMM (DDR3)
Supported capacity RAM (max.)	32 GB
Memory frequency	1600 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.
LAN	10/100/1000 MBit/s Intel® 82579 LM
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	6
thereof SATA III	2
thereof eSATA	2 (optional)
Controller functions	Serial ATA II (3 Gbit) Serial ATA III (6 Gbit) NCQ AHCI Raid 1/0 Intel® Smart Response Technology (depending on CPU)

Interfaces

Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out	1
Front audio: headphone	1
USB 2.0 total	10
USB 3.0 total	4
USB front	4x 2.0 or 2x 2.0/ 2x 3.0
USB rear	6x 2.0 / 2x 3.0
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

Interfaces

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 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 3.0 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, HD Graphics 2000, HD Graphics 2500, HD Graphics 4000 (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 or DirectX® 11 (depending on CPU) HDCP support Open GL® 3.1 (depending on CPU) Open CL™ 1.1 (depending on CPU) For multi monitoring mode, graphics card and integrated graphics run in parallel (Microsoft® Windows 7® only)

Graphics on board

Graphics notes	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

Power efficiency note	power supply efficiency (at 230V; 20% / 50% / 100% load) : 91% / 94% / 92% 0-Watt mode automatically
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	Switched

Power consumption

Power consumption note	See white paper Energy Consumption 0-Watt mode automatically
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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)	tbd
Noise Operation mode 2: HDD load (Blue angel requirement)	tbd
Noise Operation mode 4: High load	tbd
Noise Operation mode 5: Office applications 2.0	tbd
Idle mode (Blue Angel requirement)	tbd
Noise notes / description	A weighted sound power level Lw _{ad} (in B) / workplace related A-weighted sound pressure level Lp _{Am} (in dB(A)), Bystander position

Dimensions / Weight / Environmental

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

Compliance

Product	ESPRIMO E910
Model	DT8-3162
Germany	TÜV GS
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 (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 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 Power2Go 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) Nero 10 Essentials XL

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 8.0 (depending on CPU)
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	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
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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

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://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu ESPRIMO E910 0-Watt, 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 E910 0-Watt, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. www.fujitsu.com/fts

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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