FUJITSU

Fujitsu recommends Windows® 7.

Data Sheet
Fujitsu ESPRIMO E705 E85+ Desktop PC

Your Desktop PC Without Any Compromises

The Fujitsu ESPRIMO E705 E85+ is equipped with the latest AMD technology and offers extraordinary performance. With the powerful processor from AMD this system reaches new performance levels enabling fast and easy handling of challenging tasks. The Fujitsu ESPRIMO E705 E85+ can be positioned vertically or horizontally - ideal when there is hardly any space. The PC is equipped with an 86% energy efficient power supply which reduces your power consumption and keeping costs to a minimum.

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
■ State-of-the-art technology, low energy-consuming processors, up to 86% efficient power supply 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

Green IT | Halogen Free | Quiet Running | Easy Access Cabinet | Family Concept | Manageability | Keyboard Power On | Erasedisk

Components

Processor	AMD Athlon™ FX 4100 (4 Cores, 3.6 GHz, 8 MB)
	AMD Phenom™ II X4 960T (4 Cores, 3.0 GHz, 8 MB)
	AMD Phenom™ II X2 560 (2 Cores, 3.3 GHz, 7 MB)
	AMD Athlon™ II X2 265 (2 Cores, 3.3 GHz, 2 MB)
	AMD Athlon™ II X2 220 (2 Cores, 2.8 GHz, 1 MB)
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 Vista®
	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, 1333 MHz, PC3-10600, DIMM
	4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM
Hard disk drives (internal)	SSD SATA, 256 GB, 2.5-inch
	SSD SATA, 128 GB, 2.5-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, 320 GB, 3.5-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® 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
Drives (optional)	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 E705 E85+

Mainboard

Mainboard type	D3091
Formfactor	µATX
Chipset	AMD 880G
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 Broadcom BCM57780
BIOS version	AMI Aptio 4.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
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	6
thereof eSATA	1 (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
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	12
USB 3.0 total	optional
USB front	4
USB rear	6
USB internal	2
VGA	1 (via DVI to VGA adapter, part of shipment)
DisplayPort	1
DVI	1 (Dual link DVI-I)
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

Drive bays

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 (180 mm) Low profile
PCI-Express 2.0 x4 (mech. x16)	1 x (180 mm) Low profile
PCI-Express x1	1 x (85 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	ATI Radeon® HD 4250
Shared video memory	up to 2811 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
	2560 x 1440 pixel
	2560 x 1600 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® 2.0
	For multi monitoring mode, graphics card and integrated graphics run in parallel (Microsoft® Windows 7® only)
Graphics notes	up to 512 MB dedicated video memory (main memory owned and locked for graphics use)
	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

Power efficiency note	power supply efficiency (at 230V; 20% / 50% / 100% load) : 83% / 86% / 85%
	0-Watt mode with hard-off switch
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

Electrical values

Max. output of single power supply	280 W
Power factor correction/active power	active
Monitor outlet	No

Power consumption

Power consumption note	See white paper Energy Consumption 0-Watt mode with hard-off switch
Link to Energy White Paper	http://docs.ts.fujitsu.com/dl.aspx?id=440ff587-b50b-4352-ba1c-935c19aca8e3

Heat dissipation

Heat dissipation notes	See white paper Energy Consumption

Noise for standard configuration (HDD, ODD)

Noise emission	According to ISO9296
Related Processors for noise	AMD® Phenom™ II X4 960T
Noise Operation mode 1: ODD load (Blue angel requirement)	4.6 B / 31 dB(A)
Noise Operation mode 2: HDD load (Blue angel requirement)	3.8 B / 22 dB(A)
Noise Operation mode 3: CPU 90% load (Blue angel requirement)	4.5 B / 31 dB(A)
Noise Operation mode 4: High load	4.5 B / 31 dB(A)
Noise Operation mode 5: Office applications 2.0	3.8 B / 23 dB(A)
Idle mode (Blue Angel requirement)	3.6 B / 21 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℃

Compliance

Product	ESPRIMO E705
Model	DT8-D3091
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

Additional software (optional)	Recovery DVD for Windows®
	Drivers & Utilities DVD (DUDVD)
	Optional: CyberLink Power DVD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive)

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)
	DASH 1.1 Support (optional)
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

Packaging information

Packaging dimension	467x265x540 mm
Max. quantity / pallet	28
Material - Weight (g) Carton	1140 g
Material - Weight (g) EPS / PS	180 g

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Packaging information

Material - Weight (g) PE	appr. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process

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	http://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu ESPRIMO E705 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/

Software
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More information

Learn more about Fujitsu ESPRIMO E705 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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