DATA SHEET

PRIMERGY TX100 S1

Issue: July 2009

Mono socket economy tower - Enter the world of servers

PRIMERGY TX industry standard tower servers: efficient, rock solid, record-breaking performance. PRIMERGY TX servers benefit from over 20 years pioneering work in the field of Green IT. That is how TX servers reach industry – leading performance per watt ratios, lowering the environmental impact and running costs. TX servers can easily be managed locally or remotely via the PRIMERGY ServerView Suite, saving IT admin costs. That's efficient performance. Our made-to-measure service packages take care of your system every step of the way. Rest assured, PRIMERGY TX servers are put through 5000 boot cycles - that's rock solid performance. PRIMERGY TX servers are flexible systems capable of using up to two processors and up to 20 hard disks. Tower to rack mounting kits are available to move to a consolidated rack infrastructure. TX servers have a tradition of setting record-breaking performance levels. So, whether you use them as tower or rack servers, for file, print or application purposes, you will benefit from record-breaking performance. PRIMERGY TX: a tower of strength.



PRIMERGY TX100 S1

The PRIMERGY TX100 S1 is your entry to the world of servers. It is the perfect system for SMEs looking to centralize their IT infrastructure, and offers a great price-performance ratio. Moreover, the TX100 S1 is very silent and energy efficient making it an excellent choice for any office environment. The 85% efficient power supply unit minimizes costs, as well as the environmental impact. The use of data security features such as ECC memory and RAID 0/1 ensures around-the-clock reliability. Finally, the TX100 S1 offers a choice of Intel® processors suited to the needs of SMEs. Step into the world of PRIMERGY servers.

MAIN FEATURES	BENEFITS
Great price-performance ratio	With a choice of processors (from Intel® Pentium® to Intel Xeon®) and budget options to choose from, the PRIMERGY TX100 S1 offers an excellent price-performance ratio
High energy efficiency with 85% efficiency power supply unit (PSU), EPA 5.0 compliant	Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize environmental impact
Low noise levels	Effective hardware design air flow ensures a silent system for an efficient working environment.
Server reliability thanks to the use of components such as Intel 3200 server chipset, ECC memory and RAID 0/1	Keep business processes going - 24x7
Flexibility	Available with two different base units with either a maximum of either 2 or 4 hard disks.

Technical details

Base unit name	PRIMERGY TX100 S1 2 HDD	PRIMERGY TX100 S1 4 HDD
Hard disk architecture	2 HDD	4 HDD
Mainboard		
Mainboard type	D 2679	
Chipset	Intel® 3200 + ICH9R	
Processor quantity and type	1 x Intel® Pentium® Dual-Core processor / Intel® Core™2 Duo / Intel® Xeon® processor 3000 / 3100 / 3200 / 3300 series	
Processor options	Intel® Core™2 Duo E7300 (2C, 2.66 GHz, SLC: 3 MB , TLC: - , 1066 MHz, 65 W)	
	Intel® Core™2 Duo E7400 (2C, 2.8 GHz, SLC: 3 MB , TLC: - , 1066 MHz, 65 W)	
	Intel® Pentium® E5200 (2C, 2.5 GHz, SLC: 2 MB , TLC: - , 800 MHz, 65 W)	
	Intel® Xeon® E3110 (2C, 3.00 GHz, SLC: 6 MB , TLC: - , 1333 MHz, 65 W)	
	Intel® Xeon® E3120 (2C, 3.16 GHz, SLC: 6 MB , TLC: - , 1333 MHz, 65 W)	
	Intel® Xeon® X3220 (4C, 2.40 GHz, SLC: 8 MB , TLC: - , 1066 MHz, 95 W)	
	Intel® Xeon® X3330 (4C, 2.66 GHz, SLC: 6 MB , TLC: - , 1333 MHz, 95 W)	
Memory slots	4	
Memory slot type	DIMM (DDR2)	
Memory capacity (min. - max.)	1 GB - 8 GB	
Memory protection	ECC	
Memory notes	Mix and match possible, with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible.	
Memory options	4 GB (1 module(s) with 4 GB) DDR2, unbuffered, ECC, 800 MHz, PC2-6400	
	2 GB (1 module(s) with 2 GB) DDR2, 800 MHz, PC2-6400	
	1 GB (1 module(s) with 1 GB) DDR2, 800 MHz, PC2-6400	
Interfaces		
USB ports	10 (2 x front, 6 x back, 2 x internal)	
Serial 1 (9-pin)	1 x RS232	
Parallel (25-pin)	1 x ECP / EPP parallel port (25 pin) - optional	
Mouse / Keyboard (PS/2)	2	
LAN / Ethernet (RJ-45)	1 x Gbit/s Ethernet	
I/O controller on board		
Serial ATA total	6	
RAID Controller	4 port SATA with RAID 0/1for HDD´s	
SATA Controller	SATA2 (3GBit)	
LAN Controller	Intel® Nineveh 82566DM, 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server, Teaming supported	
Trusted Platform Module (TPM)	Infineon / 1.2 (option)	
Slots		
PCI-Express x8	1 x	
PCI-Express x4 (mech. x8)	1 x	
PCI-Express x1	1 x	
PCI slots	1 x	
Drive bays		
Hard disk bay configuration	From 2 to 4 bays not upgradeable in the field.	
Notes accessible drives	1 bay occupied by DVD/DVD-RW 1x 3.5/1-inch FD as option	
Number of fans		
Fan configuration	silent system fans	
Fan notes	non hot plug	
Operating panel		
Operating buttons	On/off switch	
Status LEDs	Power (green)	

Operating system	
Supported operating systems	Microsoft® Windows Server® 2008 Microsoft® Windows Server® 2003 Novell SUSE Linux Enterprise Server Red Hat Enterprise Linux Note: Support of other Linux derivatives on demand
Operating system release link	http://ts.fujitsu.com/software http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421
Server Management	
Standard	ServerView Installation Manager
Server Management notes	Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets.
Dimensions / Weight	
Floor-stand (W x D x H)	203 x 386 x 390 mm
Weight	12 kg
Floor-stand (W x D x H)	
Rack (W x D x H)	
Environmental	
Noise emission	According to ISO9296
Sound pressure (LpAm)	21 dB(A) (idle)/ 25 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	3.7B (idle) / 4.0B (operating)
Operating ambient temperature	10 - 35°C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
Electrical values	
Power supply configuration	1
Standard power supply output	300 W
Rated voltage range	100 - 127 V / 200 - 240 V
Rated frequency range	50 - 60 Hz
Rated current max.	100 V – 240 V / 3.5 A – 1.5 A
Rated current in basic configuration	100 – 240 V / 1,5 – 0,6 A
Active power max. (per system unit)	146 W
Apparent power max. (per system unit)	63 VA - 156 VA
Heat emission	525.6 kJ/h (498.3 BTU)
Compliance	
Germany	GS
Europe	CE
USA/Canada	CSAc/us ULc/us FCC Class A
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request.
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Components

Hard disk drives	SATA, 1000 GB, 7200 rpm, 3.5-inch
	SATA, 750 GB, 7200 rpm, 3.5-inch
	SATA, 500 GB, 7200 rpm, 3.5-inch
	SATA, 250 GB, 7200 rpm, 3.5-inch
	SATA, 160 GB, 7200 rpm 3.5-inch
Hard disk notes	PRIMERGY TX100 S1 hard disks are not hot-plug.

Tape Drives	DDS Gen5, 36 GB , 3 MB/s, half height, USB 2.0
	DDS Gen6, 80 GB , 6 MB/s, half height, USB 2.0
	RDX Drive, 80 GB, 160 GB, 320 GB , 25 MB/s, half height, USB 2.0
Optical drives	Blu-ray combo drive, (6x BD-ROM; 16x DVD; 40x CD), half height, SATA I
	DVD-ROM, (16xDVD; 48xCD), half height, SATA I
	DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I
LAN Controller	Ethernet Ctrl 1 x 1 Gb Intel® Gigabit CT Desktop Adapter (requires RHEL 4.8 or higher)
	Ethernet Ctrl 1 x 1 Gb Intel® PRO/1000 PT Server Adapter
	Ethernet Ctrl 2 x 1 Gb Intel® PRO/1000 PT Dual Port Server Adapter
	x

Warranty	
Standard Warranty	1 year
Service level	On-site Service
Maintenance and Support Services - the perfect extension	
Recommended Service	7x24, Onsite Response Time: 4h
Service Weblink	http://ts.fujitsu.com/Supportservice

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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