Data Sheet

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FUJITSU COMPUTERS SIEMENS

PRIMERGY TX600 S2

4-socket Dual-Core Xeon MP tower server - Highly scalable and assured quality for consolidated applications

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PRIMERGY TX Tower Servers ensure carefree and continuous operation with proven data center technology. The latest processor generation combined with optimized air flow cooling technology assure a long life and the highest possible performance at work. And as your business grows, so do our PRIMERGY towers, providing plenty of headroom for expansion so that you benefit longer from your investments in PRIMERGY tower servers. For corporate workgroups and remote sites, PRIMERGY TX servers ensure less troubleshooting and lower costs with their complete PRIMERGY ServerView Suite remote management functions – flexible management from anywhere at any time. Since corporate infrastructure is subject to consolidation changes, our universal tower-to-rack conversion kit protects your investment by prolonging the system's lifecycle.

The flexible custom supply model and our build-to-order process mean that only fully built and pre-tested solutions are shipped to customers, who can select from a broad family of tower models to meet their individual needs.

PRIMERGY TX600 S2

Centralized corporate applications are the heartbeat of the business value chain – they deserve maximum care to guarantee the overall quality of IT operations. Here, the TX600 S2 is an ideally-suited platform that combines impressive Dual-Core processor performance, exceptional internal capacity and data center-derived robustness and redundancy in an easy-to-deploy packaged solution. TX600 S2 provides an advanced level of continuous quality of operation that you can rely on.
Integrated high-availability and capacity functions include the RAID on Motherboard functionality, redundant hot-plug power supply modules and fans, hot-plug PCI-X / PCIe slots, and refined mechanisms for protecting the main memory and the split SCSI backplane. These features provide a level of availability and performance that makes the PRIMERGY TX600 S2 ideally suited for your central business-critical applications.

Key Features	Benefits
■ New Dual-Core Intel® Xeon™ processors MP offer extended 64-bit address space and therefore more direct useable memory.	■ Performance headroom to spare and highest performance for the most demanding database or ERP applications, using suitable operating systems
■ High Availability build-in for standard, like: 2-channel U320 SCSI controller and MegaRAID onboard (RAID 5 included), Hot spare memory support for pre-failure on-the-fly memory replacement, memory mirroring and memory RAID support, Hot-plug redundant fans and power supplies Up to 10x (2x5) hot-plug for disks, PCI-Express and PCI-X hot-plug I/O slots,	■ Enhanced server reliability without extra cost, business continuity right from the entry-class server, more value for money as well as secured data safety.

Type	4-way Prozessor Rack Server
System board	
Chip set	Intel® E8500
Processors	64-bit Intel® Xeon™ MP (1 - 4)
Frequencies (GHz)	3.16 , 3.66 GHz / 3.0, 3.33 GHz / 7020 (2,67), 7040 (3,00) GHz (both Dual-Core)
Front-Side-Bus	667 MHz
Second-Level-Cache	1 MB /2x 1 MB (7020), 2x 2 MB (7040)
Third Level Cache	8 MB (3.0, 3.33 GHz)
Memory	2 Gbyte to max. 64 Gbyte
2-way interleaved, registered ECC DDR2-400 SDRAM; 4 memory boards with 4 slots each for PC2-3200 modules 1, 2 and 4 Gbyte; memory scrubbing, Chipkill™, hot-add, hot-replace, hot-spare memory, memory mirroring, memory RAID support	
Flash-EPROM	
Local BIOS update via USB; Remote BIOS-Update via LAN with Global Flash. Rolling BIOS (2 copies stored on Mainboard)	
Interfaces	
Serial (9-pin)	1x RS-232-C
USB 2.0	3x front, 2x rear (OHCI, 480 Mbit/s)
Graphics (15-pin)	2x VGA (1x front, 1x rear)
LAN	2x RJ45
Front Panel	
On/off switch; NMI-, reset- identification button; LEDs for: system status (amber/green), identification (blue), hard disks access (green), power (green), LAN (green); back side LED´s: power, identification LC-Display (LocalView) for service (only rack version)	
Onboard controller **	
S-ATA	for DVD drive
SCSI (LSI 53C1030)	2-channel Ultra320 SCSI
MegaRAID PCI-Express™ RoMB	RAID level 0, 1, 10, 5, 50 extension for onboard SCSI controller with 256MB RAID Cache and iButton enable key, optional BBU
LAN (BroadCom 5704)	2 x 10/100/1000 Mbit/s Ethernet
Graphics	ATI RADEON® 7000, 16 MB
Server management	Integrated Server Management Controller (BMC), optional RSB S2
Hard disk drives	36,73,146,300 Gbyte,U320 SCSI
1 Gbyte equals one billion bytes when referring to hard disk drive capacity; accessible capacity may vary.	
I/O Slots (Standard)	
2x PCI-X 64-bit / 100 MHz, long 3,3 V 1x PCI-X 64-bit / 133 MHz (hot-plug), long 3,3 V 3x PCI-Express x4 (hot plug) 1x PCI-Express x8 (hot plug)	
Drive bays	
for hard disks	max 10 (2 x 5) x 3,5/1-Zoll, for hot-plug SCSI (in slide-in chassis)
for accessible drives	1 x 5.25/0.5-inch for CD-RW / DVD
for optional accessible drive	2x 5.25/1.6-inch for tape drive
System fans (hot-plug)	
Redundant hot-plug fans (2 x 3) as standard	

Electrical values	
Redundant hot-plug power supply units as standard	
Output power	1 + 1 x 1570 W each
Rated AC voltage	200 - 240 V
Frequency	50 - 60 Hz
max. apparent power	1400 VA
max. effective power	1400 W
max. mains current	6 A (240V)
max. heat dissipation	5040 kJ/h (4777 BTU)
Temperature/Noise/Dimension/Weight	
Ambient temperature	10°C - 35°C (EN60721-3-3 class 3K2)
Air flow rate	max. ca. 6.75 m³/min
Declared noise emission according to ISO 9296	idle* operating* (*ISO 7779)
L_{WAd} (1 B = 10 dB) :	7,0 B 7,0 B
L_{pAm} (bystander position):	57 dB 57 dB
Floor-stand (HxWxD)	Floor Stand: 473 x 351 x 742 mm Rack Vers. 265 x 482.6 x 738 mm
Rack mount depth: Rack height units: Rack cable depth:	710 mm 6 U 100 mm (1000mm Rack recommended)
Weight	ca. 59 kg (configuration dependent)
Compliance with Norm and Standards	
Product safety	
Global / Europe	IEC 60950 / EN 60950
USA	UL 60950 3rd. Ed.
Canada	CAN/CSA-C22.2 No. 60950 3rd. Ed.
Electro magnetic compatibility	
Europe	EN 55 022 class A, EN 55024, EN61000-3-2, EN61000-3-3
Taiwan / Japan	CNS 13438 class A / VCCI class A
Australia / New Zealand	AS / NZS 3548 class A
USA / Canada	CFR47, part 15, subpart B, class A / ICES-003 class A
Declaration of conformity	
Europe (CE)	89/336/EEC(EMV);73/23 EEC(LVD)
North America	FCC class A
Approvals	
Product safety	
Global / Europe	CB / CE
USA / Canada	CSA_{US} / CSA_{C}
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.	
Operating systems support	
Microsoft: Windows 2003 Enterprise Edition; Standard Edition Microsoft: Windows 2000 Advanced Server, Server SUSE: LINUX ES 8; LINUX ES 9 x86 Red Hat: LINUX EL 3 x86; EL 4 x86 VMware: VMware ESX Server 2.5.2	
** For supported controllers (onboard and PCI cards for SCSI, RAID, LAN, WAN, etc.), please refer to the corresponding system configurator.	
Server Management (see separate data sheets)	
Standard:	PRIMERGY ServerView Suite; PDA, ASR&R LocalView display (only rack version)
Optional:	RemoteView SW, RemoteView Service Board (RSB S2)

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