Data Sheet





PRIMERGY TX200 S2

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Dual Xeon™ Server - Cost-efficient expansion options and failsafe operation

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PRIMERGY TX Tower Servers ensure carefree and continuous operation with proven data center technology. Their design for maximum ease of use and ease of management has been honored with industry design awards in 2003 and 2004. The latest processor generation combined with innovative air flow cooling technology ("Cool-safe") 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 TX200 S2

Flexible expansion options are the key to placing new or larger workloads on your server. This applies not only to physical capacity, such as the number of disk drives, advanced data protection schemes, or I/O connectivity; in particular, consideration of the transition to 64-bit computing is a must in today's technology purchase decisions. The PRIMERGY TX200 S2 is a perfect match for these requirements, providing you with a cost-efficient standard. TX200 is a failsafe operation platform for your application stacks, with standards such as disk mirroring, hot-plug disks, ChipkillTM and hot-spare memory, and the "Cool-safe" innovative air flow system design that supports next-generation processor technology. Your business can rely on this solution!

In addition, further options – such as extended RAID functions, clustering options and redundancy for power supplies and fans – tailor these standards to your individual safety needs.



Key Features Benefits New 64-bit Intel Xeon (EM64T) and up to 2 MB SLC offer With 64-bit Intel Xeon Technology the processor gives extended 64-bit address space and therefore more direct the company a way to ease into 64-bit computing, as useable memory and performance. soon as the individual need of the application comes up. Onboard 2-channel Ultra320 SCSI controller with Enhanced data reliability and without extra cost, embedded IME RAID 1 functionality and low-cost ZCR business continuity right from the entry-class server, RAID 0, 1, 10, 5, 50 option more value for money as well as added data safety. Hot spare memory, hot-spare tape option Tailor made availability, offers the security level which is Up to 9x (6 + 3) hot-plug HDD infrastructure Hot-plug functionality is available as option for the most recommended by your individual application demands important system components: Hot-plug, redundant PSU and System fans (optional) 1x Gbit LAN with PCI-Express interconnect onboard Fast communication link through onboard PCI-Express interconnect

Туре	Dual Processor Tower Server	
System board	D 1919	
Chip set	Intel® E7320	
Processors	64-bit Intel® Xeon™ (1 - 2)	
Frequencies (GHz)	2.80, 3.00, 3.20, 3.40	
Front-Side-Bus	800 MHz	
Second-Level-Cache	2 Mbyte, ECC	
Memory	512 Mbyte up to max. 12 Gbyte	
	ered ECC PC2700 DDR1 SDRAM; 3	
banks with 2 slots each for modules 256 Mbyte, 512 Mbyte, 1 and 2 Gbyte; memory scrubbing, Chipkill™* and hot-spare memory support;		
** Chipkill™ only with modules > 256 MB		
Flash-EPROM		
Local BIOS update with floppy disk; Remote BIOS-Update via		
LAN with Global Flash and service partition / RomPilot, or		
through chipDISK / RTDS	5 via modem	
Interfaces	1v DC 222 C (0 pip) (veable for	
Serial	1x RS-232-C (9-pin) (usable for BMC or OS or shared)	
Serial	1x RS-232-C (9-pol)	
Parallel (option)	Centronics, 25-pin, EPP/ECP comp.	
Keyboard, Mouse	2x PS/2	
USB 2.0	1x front, 2x back (UHCI, 480 Mbit/s)	
Graphics	1x VGA (15-pin)	
LAN	1x RJ45	
Front Panel		
	t button; LEDs for system status	
	ue), hard disks access (green), power	
	stem status, identification)	
Onboard controller **		
IDE (ATA100)	2-channel Fast-IDE controller for 1 de-	
	vice + RemoteView Diagnosis	
SCSI (LSI53C1030)	2-channel Ultra320 SCSI with RAID 1 (Integrated M irroring E nhanced also for odd number of HD's for Windows and Linux)	
RAID option	RAID level 0, 1, 10, 5, 50 extension for	
(PCI card, ZCR)	onboard SCSI/RAID controller	
LAN (BroadCom5721)	1x 10/100/1000 Mbit/s Ethernet (PCE-Boot via LAN from PXE server)	
Graphics	ATI Rage XL 8 MB	
Server management	Baseboard Management Controller (BMC), IPMI 1.5 compatible	
Hard disk drives	36, 73, 146, 300 Gbyte, U320 SCSI	
Gbyte equals one billion bytes very capacity may vary.	when referring to hard disk drive capacity; accessible	
I/O Slots (Standard)		
2x PCI-X 64-bit / 66 MHz, 1xlong, 1xshort 3.3V (ZCR supp.);		
2x PCI-X 64-bit / 100 M		
(1x with max. 133 MHz (IOOP™), if only 1 slot is in use) 1x PCI 32-bit / 33 MHz, long, 5V (RSB support)		
Drive bays		
for hard disks	6x 3.5/1-inch, hot-plug, slide-in chassis	
for optional	3x 3.5/1-inch, hot-plug, requires	
hard disks	2 bays for accessible drives	
for accessible drives	2x 5.25/1.6-inch free; 1x 5.25/0,5-inch for opt. CD, DVD; CD-/DVD-RW 1x 3.5/1-inch occupied with FD drive	
for optional	1x 3.5/2-inch for hot-plug tape drive,	
accessible drive	requires 2 hard disk bays	
System fans (hot-	,	
plug)		
Standard / redundant (option): (2 + 2) fans + 1 fan per CPU		

Electrical values		
1x standard or 2x optional	redundant hot-plug power supplies	
Output power	600 W / 1 + 1 x 600 W each	
Rated voltage range	100 - 240 V	
Rated frequency	50 - 60 Hz	
Max. rated current	100 V - 240 V / 9.0 A - 5.0 A	
	AC outlet with standard PSU: 2 A	
Rated current in basic	100 V - 240 V / 4.4 A - 1.5 A	
configuration		
Active power	798 W	
Apparent power	809 VA	
Heat emission	2873 kJ/h (2723 btu/h)	
Temperature/Noise/Dimension/Weight		
Ambient temperature	10°C - 35°C (EN60721-3-3 class 3K2)	
Sound pressure L _{pAm}	44 <= 52 dB (A) (ISO9296)	
Sound power L _{WAd}	6.2 <= 6.7 B (ISO9296)	
Floor-stand (HxWxD)	473 * 286 * 775 (mm)	
Rack (HxWxD)	177 * 483 * 770 (mm);	
	Rack mounting depth 735 mm; 4 U	
Weight	25 - 40 kg (configuration dependent)	
Compliance with Norm a	nd Standards	
Product safety		
Global	IEC 60950-1	
Europe	EN 60950-1	
USA	UL 60950 3rd. Ed.	
Canada	CAN/CSA-C22.2 No. 60950 3rd. Ed.	
Electro magnetic compa		
Europe	EN 55 022 class A, EN 55024,	
Luiopo	EN 61000-3-3	
Taiwan / Japan	CNS 13438 class A; VCCI class A	
Australia / New Zealand	AS / NZS 3548 class A	
USA / Canada	FCC class A	
Declaration of conformit		
Europe (CE)	89/336/EEC(EMV);73/23 EEC(LVD)	
North America	FCC class A	
Approvals		
Product safety		
Global	СВ	
Europe	CE	
USA / Canada	CSA _{US} / CSA _C	
	10.0	
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.		
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Supported operating sys		
Microsoft: Windows 2003 Standard, Enterprise IA32 Edition; Microsoft: Windows 2003 Standard, Enterprise x64 Edition;		
Microsoft Windows 2003 Standard, Enterprise x04 Edition,		
Microsoft Small Business Server 2003 Stand./Premium Edition*		
Microsoft: Windows 2000 Advanced Server; Server		
Novell: NetWare 6.5		
SCO: UnixWare 7.1.4; Open Server 5.0.7		
SUSE: Enterprise Server 8 for x86 and 9 x86 / EM64T SUSE: Linux 9.2, 9.3 for X86		
Red Hat: Enterprise Linux 2.1; 3 and 4 for X86 / EM64T		
* No application support		
** For supported controllers (onboard and PCI cards for SCSI,		
RAID, LAN, WAN, etc.), please refer to the corresponding system		
configurator.	3.,	
Server Management (see	separate data sheets)	
Standard:	PRIMERGY ServerView Suite;	
	PDA, ASR&R	
Optional:	RemoteView with IDE chipDISK and	
	RemoteView Service Board	

RemoteView Service Board