## Data Sheet We make sure PRIMERGY TX200 S3 Isue Dual Intel® Xeon® Server - Cost-efficient expansion options and failsafe operation

Pages 2

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. 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 S3

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 S3 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, SDDC and hot-spare memory and the "Cool-safe™' innovative air flow system design. Expandability is covering for heavy workload: up to 16 GB FBD533/667 memory, up to 6 SCSI, SAS or SATA hard disk drives, and sufficient free PCI slots for heavy I/O requirements. 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

- Intel Dual-Core Xeon 5000 sequence and 2x 2 / 4 MB SLC offer outstanding Dual-Core performance and balanced architecture that incorporates next generation memory and I/O technologies
- Onboard 8-port SAS controller with low-cost ZCR RAID 0, 1, 10, 5, 50 option, or 2-channel U320 SCSI/RAID PCI controller or (from quarter 03/06) 6-port SATA controller with RAID 0, 1 functionality
- Hot spare memory
- Up to 6x hot-plug HDD (SAS, SCSI or SATA) Hot-plug functionality is available as option for the most important system components: hot-plug, redundant PSU and system fans, integrated RSB Advanced Pack with e.g. disable local monitor function (options)
- PCIe and PCI-X slots, 1x Gbit LAN

## **Benefits**

- Higher overall productivity through outstanding Dual-Core performance with faster FSB, larger L2 cache etc and extended 64-bit address space and therefore more direct useable memory and performance
- Enhanced data reliability, business continuity right from the entry-class server, more value for money as well as added data safety
- Tailor made availability, offers the security level which is recommended by your individual application demands
- Fast communication link through onboard PCI-Express interconnect



-		
Type System board	Dual Socket Tower Server	
System board	D 2109	
Processors	Dual Coro Intol® Yoon® (1 2)	
Frequencies (GHz)	5050(3.00)/5060(3.20) or	
	5110 (1.60), 5120 (1.86) / 5130 (2.00).	
	5140 (2.33)	
Front-Side-Bus/Sock	et 667 / 1066 / 1333 MHz	
Second-Level-Cache	2x 2 / 4 Mbvte (5100 series), ECC	
Memory	1 GBvte bis max. 16 GBvte	
2-way interleaved, reg	istered ECC PC2-4200F/-5300F	
FullyBuffered DIMM RAM; 3 banks with 2 slots each for modules 512 MB, 1, 2 and 4 GB; SDDC (Chipkill) and hot-spare memory		
support		
Flash-EPROM		
Local BIOS update wit	h floppy disk; Remote BIOS-Update via LAN	
with Global Flash and	service partition	
Interfaces		
Serial 1	1x RS-232-C (9-pin) (usable for	
0.110	BMC or system)	
Serial 2	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)	
Oreach	2x internal for backup drive	
Graphics	1x VGA (15-pin)	
	1x RJ45, 1x Service-LAN RJ45	
Front Panel		
On/off button; NMI-, re	set button; front LEDs for hard disks access	
(green), power (amber	(line); back and rear for system status	
(amber), identification	(blue)	
Onboard Controller *		
IDE (ATA100)	1-channel Fast-IDE controller for 1 device	
SAS variant	8-Port SAS controller with RAID 0, 1, 1E	
(LSI1068)	(1E requires 3 or more HDD's) (also for	
	SATA HDD S)	
(DCL cord ZCD)	RAID level 0, 1, 10, 5, 50 extension for	
(PCI card, ZCR)	Onboard SAS controller (not for SATA HD)	
SATA variant	6-Port SATA Controller with RAID level 0,	
	1, 10 (KAID 5 III 4. qu. 00)	
	(PCE-Boot via LAN from PXE server)	
Sorvor	Integrated Remote Management Controller	
management	(iRMC) incl. graphics controller IPMI 2.0	
PCI controller ** in S	CSI base unit	
1 SI320/2	2-channel LI320 SCSI/RAID controller	
Hard disk drives	36, 73, 146 Gbyte SAS (no mix with SATA)	
	80, 160, 250, 500 Gbyte SATA	
	36, 73, 146, 300 Gbyte SCSI	
1 Gbyte equals one billion byt	es when referring to hard disk drive capacity; accessible	
capacity may vary.		
I/U SIOTS (Standard)		
1x PCle x8, long,		
1x PCIe x8 (x4 wired),	long,	
2X PCI-X 64-Dit/ 100 N	IHZ, 1X long, 3,3V; (1 for ZCR in SAS	
(IOODTM) if only 1 alor	15051 Version) (1X with max. 133 MHz)	
1v PCI 32-bit / 33 ME		
Drive have	12, 1011g, 5 v	
for band dist.	On O F/4 lands that always of the factors of	
for hard disks	bx 3.5/1-incn, not-plug, slide-in chassis	
for optional SCSI	3x 3.5/1-incn, not-plug, requires	
	2 Days for accessible drives	
for accessible drives	3X 5,25/1,6-InCh free <b>or</b> ;	
	2x 5,25/1,6-inch free 4x 5.25/0,5 inch for CD DVD	
	UD-/DVD-KW 1x 3 5/1-inch occupied with ED	
System fans		
Chandland O fana		
Standard 2 Tans		
not-plug, redundant (option): $(2 + 2)$ tans + 2 tans for CPU's		

Electrical values			
1x standard or 2x optional	redundant not-plug power supplies		
Output power	600 W / 1 + 1 X 600 W each		
Rated Voltage range	100 - 240 V		
Max rated ourrent			
Pated current in basic	$100 \vee 240 \vee 9.0 \text{ A} = 5.0 \text{ A}$		
configuration	100 V - 240 V / 4.4 A - 1.5 A		
Active power	798 W		
Apparent power	809 VA		
Heat emission	2873 k.l/h (2723 htu/h)		
Temperature/Noise/Dimension/Weight			
Ambient temperature	10°C - 35°C (EN60721-3-3 class 3K2)		
Declared noise emission			
according to ISO 9296	idle* operating* *(ISO 7779)		
L <sub>WAd</sub> (1 B = 10 dB) :	5.7 B*** 5.8 B***		
L <sub>pAm</sub> (bystander position):	39 dB*** 40 dB***		
Floor-stand (HxWxD)	473 x 286 x 775 mm		
Rack (HxWxD)	177 x 483 x 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 60950-1		
Canada	CAN/CSA C22.2 No. 60950-1-03		
Electro magnetic compa	tibility		
Europe	EN 55022 class A, EN 55024,		
·	EN 61000-3-3, EN 61000-3-2		
Taiwan / Japan	CNS 13438 class A; VCCI class A		
Australia / New Zealand	AS / NZS CISPR 22 class A		
USA / Canada	FCC class A		
Declaration of conformity			
Europe (CE)	89/336/EEC(EMC);73/23/EEC(LVD)		
North America	FCC class A		
Approvals			
Product safety			
Global	CB		
Europe	CE		
USA / Canada	CSAug/CSAg		
There is general compliance	ce 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.			
Supported operating systems			
Microsoft: Windows 2003 Standard, Enterprise IA32 Edition;			
Microsoft: Windows 2003 Standard, Enterprise x64 Edition;			
Microsoft Windows 2003 Web Edition			
Microsoft Small Business Server 2003 Stand./Premium Edition*			
Microsoft: Windows 2000 Advanced Server; Server			
SUSE: Enterprise Server 8 for x86, 9 and 10 x86 / EM64T			
Reu Hai, Enterprise Linux 3 and 4 for X86 / EM641			
** For supported controllers (onboard and DOL cords for SOS)			
RAID LAN WAN etc.) please refer to the corresponding system			
configurator.			
*** only with standard fans and standard PSU			
Server Management (see separate data sheets)			
Standard:	PRIMERGY ServerView Suite;		
	PDA, ASR&R		
Optional:	RemoteView, iRMC Advanced Pack		

Published by

All rights, including rights created by patent grant or registration of a utility model or design as well as rights of technical modifications are reserved. Delivery subject to availability. Designations may be trademarks, the use of which by third parties for their own purposes may violate the rights of the trademark owners.

Company stamp

Fujitsu Siemens Computers http://www.fujitsu-siemens.com/