THE POSSIBILITIES ARE INFINITE



DATA SHEET

PRIMERGY TX150 S6

Issue: April 2009

Mono socket Quad-Core Intel® Xeon® UP based Tower Server - World class in quality and redundancy

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 TX150 S6

The PRIMERGY TX150 S6 tower server delivers new levels of energy efficient performance with Intel® Xeon® Quad-Core processor 3300 series. This is achieved with up to 1333 MHz FSB clock rate and with Intel's new state-of-the-art multi-core optimized microarchitecture. A server with this processor proves to be a particularly powerful system that can respond quickly to your requirements. Enhance your efficiency when it comes to simultaneous execution of multiple applications and downloading mass data. The processor with the Intel® 3210 chipset also supports virtualization and EM64 technology. This sixth-generation tower server combines high performance with low noise. The 3.5-inch SAS or SATA or 2.5-inch SAS hotplug hard disks can be replaced easily while the server is in operation. High data security is offered thanks to built-in RAID 1 functionality and an optional ibutton RAID 5 implementation for SATA or a modular RAID for SAS configurations. The standard iRMC S2 (integrated Remote Management Controller) offers enhanced system management and graphics based on IPMI 2.0 technology, and the redundant power supply module further increases operational reliability. Dual-Core Xeon® processors and an even more power saving Celeron® processor round off the offering alternatively.





MAIN FEATURES	BENEFITS
ECC, built-in RAID 1 functionality and optional ibutton RAID 5 for SATA or modular RAID for SAS configurations	High security against physical loss of data
Hot-plug HDD infrastructure (standard), Hot-plug redundant PSU (optional) ServerView Local, Service Panel (LSP) optional for customer`s Service on its own	Tailor made availability, offers the security level which is recommended by your individual application demands
Intel Quad-Core processor, provides four execution cores in one physical processor with less power consumption. Energy efficient Intel Celeron processor even more power saving	Allowing the platform to do more in less time, IT departments can consolidate applications and more effectively employ the server with less power consumption
Up to 4x SATA or 4 (6)x SAS/SATA 3.5-inch, up to 8x 2.5-inch SAS hard disks, 6 PCI/PCIe slots, (5 with SAS), 1x Gbit LAN plus extra Service LAN for iRMC S2	Expandability options for further growth
Universal tower-to-rack conversion kit	Investment protection through optional tower to rack conversion kit







Technical details

PRIMERGY TX150 S6

PRIMERGY TX150 S6								
Housing type					Rack	Rack	Rack	Rack
Hard disk architecture	3.5" SAS/ SATA	3.5" SAS/ SATA	2.5" SAS	2.5" SAS	3.5" SAS/ SATA	3.5" SAS/ SATA	2.5" SAS	2.5" SAS
Power supply	Hotplug	Standard	Hotplug	Standard	Hotplug	Standard	Hotplug	Standard
Mainboard								
Mainboard type	D 2559							
Chipset	Intel® 3210)						
Processor quantity and type	1 x Intel® Celeron® processor / Intel® Pentium® Dual-Core processor / Intel® Xeon® processor 3000 sequence							
Processor options	Intel® Core	e™2 Duo E	7200 (2C, 2	2.53 GHz, S	LC: 3 MB,	1066 MHz,	65 W)	
	Intel® Core	e™2 Duo E	7400 (2C, 2	2.80 GHz, S	LC: 3 MB,	1066 MHz,	65 W)	
	Intel® Pent	tium® E220	0 (2C, 2.20	GHz, SLC:	1 MB , 800	MHz, 65 W	<u>'</u>)	
	Intel® Pent	tium® E520	0 (2C, 2.50	GHz, SLC:	2 MB , 800	MHz, 65 W	<u>'</u>)	
	Intel® Xeon® E3110 (2C, 3.00 GHz, SLC: 6 MB , 1333 MHz, 65 W)							
	Intel® Xeon® E3120 (2C, 3.16 GHz, SLC: 6 MB , 1333 MHz, 65 W)							
	Intel® Xeon® L3110 (2C, 3.00 GHz, SLC: 6 MB , 1333 MHz, 45 W)							
	Intel® Xeon® L3360 (4C, 2.83 GHz, SLC: 2 x 6 MB , 1333 MHz, 65 W)							
	Intel® Xeon® X3220 (4C, 2.40 GHz, SLC: 2 x 4 MB , 1066 MHz, 95 W)							
	Intel® Xeon® X3360 (4C, 2.83 GHz, SLC: 2 x 6 MB , 1333 MHz, 95 W)							
	Intel® Xeon® X3370 (4C, 3.00 GHz, SLC: 2 x 6 MB , 1333 MHz, 95 W)							
	Intel® Xeo	n® X3380 (4	1C, 3.16 GH	lz, SLC: 2 x	6 MB , 133	3 MHz, 95	W)	
Memory slots	4 (2 banks	with 2 slot	s each)					
Memory slot type	PC2-6400	(unbufferd	DIMM DDF	R2 800 ECC	;)			
Memory capacity (min max.)	1 GB - 8 G	₿B						
Memory Protection	Advanced ECC							
Memory notes					peration be 1 module) c			odules with
Memory options	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	8 x USB 2	.0 (1x front,	, 4x rear, 3x	internal)				
Graphics (15-pin)	1 x VGA							
Serial 1 (9-pin)	1 x serial F	RS-232-C,	usable for i	RMC or sys	stem or shar	red		
Serial 2 (9-pin)		RS-232-C (
		,	•					

Interferes								
Interfaces Darrellol (25 pin)	1 v Cantr-	nico OF -i-		ompotible :	(ontion)			
Parallel (25-pin) Mouse / Keyboard (PS/2)		nics zo-pin	EPP/EUP (compatible (ωριιση)			
LAN / Ethernet (RJ-45)	2							
Service LAN (RJ45)	1 x Gbit/s Ethernet 1 x dedicated service LAN port for iRMC S2 (10/100 Mbit/s)							
Service LAIN (RJ45)					d onbord Gl		t	
Onboard or integrated Controlle								
RAID Controller		RAID 0/1 o Componer			or SAS base	units (occu	ipies one P	Cle slot).
SATA Controller	Intel® ICH9R, 2 ports used for accessible drives 4 port for internal SATA HDDs with RAID 0, 1, 10 for Windows and Linux; RAID 5 iButton optional							
LAN Controller	BCM 5755, 10/100/1000 Mbit/s Ethernet, PXE-Boot via LAN from PXE server, iSCSI Boot (also diskless) via onboard LAN							
Remote Management Controller		Remote Ma ontroller), IF			iRMC S2, 3	2 MB attach	ned memory	/ incl.
Trusted Platform Module (TPM)		1.2 (option)		•				
Slots								
PCI-Express x8	2 x short							
PCI-Express x4 (mech. x8)	1 x short							
PCI slots	3 x PCI 32	/33 MHz, 2:	x long, 5V					
Slot Notes	in SAS cor	nfiguration 1	Ix PCI-Expi	ess occupio	ed by modul	lar RAID co	ntroller	
Drive bays								
Accessible drive bays	3 x 5.25/1. 1 x 3.5/1-ii	6-inch nch for FDD)					
Notes accessible drives	all possible	e options de	escribed in I	elevant sys	tem configu	ırator		
Drive bays (Base unit specific)								
Hard disk bays	4 x 3.5- inch non hot-plug SATA	4 x 3.5-inch hot-plug SAS/SATA	8 x 2.5- inch hot- plug SAS	8 x 2.5- inch hot- plug SAS	4 x 3.5-inch hot-plug SAS/SATA	4 x 3.5-inch hot-plug SAS/SATA	8 x 2.5- inch hot- plug SAS	8 x 2.5- inch hot- plug SAS
Optional hard disk bays	2 x 3.5- inch hot- plug HDD box	2 x 3.5- inch hot- plug HDD box	-	-	2 x 3.5- inch hot- plug HDD box	2 x 3.5- inch hot- plug HDD box	-	-
Operating panel								
Operating buttons	On/off swit NMI buttor Reset butt	า						
Status LEDs	System status (amber / yellow) Identification (blue) Hard disks access (green) Power (amber / green) At system rear side: System status (amber / yellow) Identification (blue) LAN connection (green) LAN speed (green / yellow)							
Service display	Optional: ServerVie	w Local Ser	vice Panel	(LSP)				
BIOS								
BIOS features	Recovery BIOS setti Local BIOS Online upo Local and SMBIOS V Remote P.	ngs save ar S update fro date tools fo remote upd	nd restore om USB dev or main Win ate via Ser	dows and L	inux versior date Manag			

Supported operating systems								
Supported operating systems	Microsoft® Novell SUS Red Hat E	Windows S SE Linux Er nterprise Li	Server® 2008 Server® 2003 nterprise Se nux r Linux deriv	rver	emand			
Operating system release link		itsu.com/so .ts.fujitsu.co	oftware om/dl.aspx?	id=a9e600b	9-e4cb-4f4	8-aa41-632	f69058421	
Server Management								
Standard	ASR&R PDA							
Option		v Remote N dvanced P	∕lanagemen ack	t				
Server Management Notes			System dep e dedicated			t details for	ServerView	Suite
Dimensions / Weight								
Dimension notes	Width 305	mm with til	t protection					
Weight	up to 28 kg							
Weight notes			ending on a	ctual config	uration			
Rack integration kit		ration kit as	-					
Dimensions / Weight (Base unit			·					
Floor-stand (W x D x H)		205 x 605	205 x 605	205 x 605	_	_		_
TOOL STATIO (44 V D VIII)			x 444 mm					
Rack (W x D x H)	-	-	-	-			482 x 642 x 221 mm	
Mounting Depth Rack	-	-	-	-	607 mm	607 mm	607 mm	607 mm
Height Unit Rack					5 U	5 U	5 U	5 U
Environmental								
Noise emission	Measured	according t	o ISO 7779	and declar	ed accordin	a to ISO 92	96	
Sound pressure (LpAm)			B(A) (operat		ou uccorum	9 10 100 02		
Sound power (LWAd; 1B = 10dB)	4.4 B (idle)		. ,	9/				
Noise notes / description			s and stanc	ard PSH				
Operating ambient temperature	10 - 35°C	tandard ran	is and stand	alu i oo				
Operating ambient temperature Operating relative humidity		(non conde	nsina)					
	10 00 70 ((Horr corrac	11311197					
Electrical values		.,						
Power supply configuration		d power su	pply or 2x h	ot-plug pow	er supply (1 + 1 redun	dancy)	
Rated voltage range	100 - 240 \							
Rated frequency range	50 - 60 Hz							
Rated current max.		00 V / 240						
Rated current in basic configuration		A (100 V / 2	240 V)					
Active Power max. (per system unit)	232 W							
Apparent power max. (per system unit)		(704.0.5=	I)					
Heat emission	835.2 kJ/h	(791.8 BTU	J)					
	ific)							
		1	2	1	2	1	2	1
Power supply configuration	2					350 W		350 W
Power supply configuration Standard power supply output	2	350 W		350 W		330 VV		330 VV
Power supply configuration Standard power supply output	2 400 W		400 W	350 W	400 W	-	400 W	-
Power supply configuration Standard power supply output Hot-plug power supply output	400 W		400 W Yes	350 W - No	400 W Yes	- No	400 W Yes	- No
Power supply configuration Standard power supply output Hot-plug power supply output Hot-plug power supply redundancy	400 W	350 W		-		-		-
Electrical values (Base unit spece Power supply configuration Standard power supply output Hot-plug power supply output Hot-plug power supply redundancy Compliance Germany	400 W	350 W		-		-		-

Compliance					
USA/Canada	CSAc/us				
	ULc/us				
	FCC Class A				
Global	CB				
	RoHS (Restriction of hazardous substances)				
lonon	WEEE (Waste electrical and electronical equipment) VCCI				
Japan					
Australia&New Zealand	C-Tick				
Taiwan	BSMI				
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, 3 Gb/s, 1000 GB, 7200 rpm, hot plug, 3.5-inch				
	SATA, 3 Gb/s, 750 GB, 7200 rpm, hot plug, 3.5-inch				
	SATA, 3 Gb/s, 500 GB, 7200 rpm, hot plug, 3.5-inch				
	SATA, 3 Gb/s, 250 GB, 7200 rpm, hot plug, 3.5-inch				
	SATA, 3 Gb/s, 160 GB, 7200 rpm, hot plug, 3.5-inch				
	SAS, 3 Gb/s, 450 GB, 15000 rpm, hot plug, 3.5-inch				
	SAS, 3 Gb/s, 300 GB, 15000 rpm, hot plug, 3.5-inch				
	SAS, 3 Gb/s, 146 GB, 15000 rpm, hot plug, 3.5-inch				
	SAS, 3 Gb/s, 146 GB, 10000 rpm, hot-plug, 2.5-inch				
	SAS, 3 Gb/s, 73 GB, 15000 rpm, hot plug, 3.5-inch				
	SAS, 3 Gb/s, 73 GB, 10000 rpm, hot-plug, 2.5-inch				
Hard disk notes	Mix of 3.5-inch SAS and SATA HDD requires separate HDD cages and RAID sets				
	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.				
	Accessible capacity may vary, also depending on used software				
Tape Drives	DDS Gen5, 36 GB , 3 MB/s, half height, SCSI U2W				
	DDS Gen5, 36 GB , 3 MB/s, half height, USB 2.0				
	DDS Gen5 OBDR, 36 GB, 3 MB/s, half height, SCSI U2W				
	DDS Gen6, 80 GB, 6 MB/s, half height, SCSI U160				
	DDS Gen6, 80 GB , 6 MB/s, half height, USB 2.0				
	LTO2HH Ultrium LC, 200 GB , 24 MB/s, half height, SCSI U160				
	LTO3HH Ultrium, 400 GB , 60 MB/s, half height, SCSI U320				
	LTO4HH Ultrium, 800 GB , 120 MB/s, half height, SAS 3Gb/s				
	RDX Drive, 80 GB, 160 GB, 320 GB, 25 MB/s, half height, USB 2.0				
Optical drives	Blu-ray combo drive, (2x BD-ROM; 8x DVD; 24x CD), slimline, SATA I				
	Blu-ray combo drive, (6x BD-ROM; 16x DVD; 40x CD), half height, SATA I				
	CD-RW / DVD Combo, (8x DVD; 24x CD/CD-R, 16x CD-RW), slimline, 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				
	DVD Super Multi, (8x DVD/DVD+RW, 6x DVD-RW, 5x DVD-RAM; 24x CD/CD-R, 16x CE RW), slimline, SATA I				

RAID Controller	RAID 5/6 Ctrl, SAS/SATA 3 Gb, LSI MegaRAID SAS8880E, 8 ports ext. RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, no BBU support (based on LSI 1078)						
	RAID 5/6 Ctrl, SAS/SATA 3 Gb, LSI MegaRAID SAS8880E, 8 ports ext.						
	RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, inclusive BBU (based on LSI 1078)						
	Integrated SW RAID 5, SATA II 3 Gb, LSI Embedded MegaSR RAID5, RAID level: 0, 1, 10, no BBU support						
	Integrated RAID 5/6 Ctrl, SAS/SATA 3 Gb, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 512 MB Cache, optional BBU (based on LSI 1078)						
	Integrated RAID 5/6 Ctrl, SAS/SATA 3 Gb, 8 ports int. RAID level: 0, 1, 10, 5, 50, 6, 60, 256 MB Cache, optional BBU (based on LSI 1078)						
	Integrated RAID 0/1 Ctrl, SAS/SATA 3 Gb, 8 ports int. RAID level: 0, 1, 1E, no BBU support (based on LSI 1068e)						
	Integrated RAID 0/1 Ctrl, SAS/SATA 3 Gb, 4 port int. RAID level: 0, 1, 1E, no BBU support , for internal SAS tapes (based on LSI 1064e)						
LAN Controller	Ethernet Ctrl 1 x 1 Gb Intel® Gigabit CT Desktop Adapter						
	Ethernet Ctrl 1 x 1 Gb Intel® PRO/1000 GT Desktop Adapter						
	Ethernet Ctrl 1 x 1 Gb Intel® PRO/1000 PF Server Adapter						
	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						
	Ethernet Ctrl 4 x 1 Gb Intel® PRO/1000 PT Quad Port Server Adapter						
Rack infrastructure	Cable Arm 2U for 3rd party racks						
	Cable Management for 19-inch DataCenter / PRIMECENTER Racks						
	Rackmount kit full extraction (760mm), tool less mounting						
Warranty							
Standard Warranty	1 year						
Service level	On-site Service						
Maintenance and Support S	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:

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