

## PRIMERGY TX150 S6

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

Pages 2

PRIMERGY TX Tower Servers deliver highest reliability rates with proven data center technology comparable with high end UNIX servers. The innovative, broadest portfolio of virtualization, server and solution offerings stand for TCO reductions of 60% or more. Optimized air flow cooling technology assures a long life and highest possible performance/watt at work as well as by far best in class efficiency proven by numerous benchmark records. And as your business grows, plenty of headroom for expansion protects your investments in PRIMERGY as well as our universal tower-to-rack conversion kit does in case of consolidation changes. PRIMERGY ServerView Suite with remote management functions provides comprehensive management from anywhere at any time. The flexible custom supply model and our build-to-order process mean, that only fully built and pre-tested solutions are shipped to customers. Last but not least Fujitsu Siemens Computers proven commitment to green IT offers clear competitive advantages to our customers.

### 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 micro architecture. 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 hot-plug 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.



Benefits	Key Features
<ul style="list-style-type: none"> <li>■ High security against physical loss of data</li> </ul>	<ul style="list-style-type: none"> <li>■ ECC, built-in RAID 1 functionality and optional iButton RAID 5 for SATA or modular RAID for SAS configurations</li> </ul>
<ul style="list-style-type: none"> <li>■ Tailor made availability, offers the security level which is recommended by your individual application demands</li> </ul>	<ul style="list-style-type: none"> <li>■ Hot-plug HDD infrastructure (standard)</li> <li>■ Hot-plug redundant PSU (optional)</li> <li>■ ServerView Local Service Panel (LSP) optional for customer's Service on its own</li> </ul>
<ul style="list-style-type: none"> <li>■ Allowing the platform to do more in less time, IT departments can consolidate applications and more effectively employ the server with less power consumption</li> </ul>	<ul style="list-style-type: none"> <li>■ Intel Quad-Core processor, provides four execution cores in one physical processor with less power consumption</li> <li>■ Energy efficient Intel Celeron processor even more power saving</li> </ul>
<ul style="list-style-type: none"> <li>■ Expandability options for further growth</li> </ul>	<ul style="list-style-type: none"> <li>■ 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</li> </ul>
<ul style="list-style-type: none"> <li>■ Investment protection through optional tower to rack conversion kit</li> </ul>	<ul style="list-style-type: none"> <li>■ Universal tower-to-rack conversion kit</li> </ul>

<b>Type</b>	Mono Socket Tower Server
<b>System board</b>	D2559
Chip set	Intel® 3210
Processors	Intel® Celeron® / Intel® Pentium DC / Core2 Duo / Intel® Xeon® UP (Dual- or Quad-Core)
Type / Frequencies (GHz)	440 (2.0) 35W Mono / E2200 (2.20) / E7200 (2.53) / E3110 (3.00) E3120 (3.16) DC all 65W / X3220 (2.40) GHz QC 95W / X3360 (2.83), X3370 (3.00) all 95W QC
Front-Side-Bus	800 / 1066 (E7200, X32xx) / 1333 MHz DC Xeon UP and X33xx
Second-Level- Cache	512 KB / 1 MB / 3 MB / 6 MB DC Xeon / 2x 4 (32xx) / 2x 6 MB (33xx), ECC
<b>Memory</b>	1 GByte up to max. 8 GByte
ECC unbuffered DDR2 800 SDRAM; 2 banks with 2 slots each; (1, 2 Gbyte each); Mix and match possible; with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible.	
<b>Flash-EPROM</b>	
Local BIOS update with floppy disk; Remote BIOS-Update via LAN with Global Flash and service partition	
<b>Interfaces</b>	
Serial	1 x serial RS-232-C (9-pin) usable for iRMC or system or shared 1 x serial RS-232-C (9-pin) (optional)
Centronics (parallel)	1 x 25-pin, EPP/ECP compatible (opt.)
Keyboard, Mouse	2 x PS/2
USB 2.0	1 x front, 4 x back 2 x internal for backup drives, 1x USB stick
Graphics	1 x VGA (15-pin)
LAN	1 x LAN RJ45, 1 x Service LAN 10/100
<b>Onboard or integrated controller**</b>	
SATA variant (Intel® ICH9R)	6 port SATA for 4 internal HDD's with RAID 0, 1, 10 for Windows and Linux, RAID 5 iButton key optional, 2 ports for accessible drives also in SAS variant
SAS configuration in PCIe slot <b>either</b> LSI 1068e  <b>or</b> LSI 1078	8 port SAS for internal HDD's and internal backup devices with RAID 0, 1 (Integrated Mirroring Enhanced also for odd numbered HD's for Windows and Linux)with RAID 0, 1, 10, 5, 50, 6; 60 (256 or 512 MB RAID Cache and opt. BBU)
LAN (Broadcom BCM5755)	1x Ethernet 10/100/1000 Mbit/s (PXE-Boot via LAN from PXE server), iSCSI Boot (also diskless) via onboard LAN
Server management	Integrated Remote Management Controller (iRMC S2, 32 MB attached memory) incl. graphics controller, IPMI 2.0
TPM (optional)	Infineon / 1.2
<b>Hard disk drives</b>	73, 146, 300, 450 Gbyte 3.5-inch SAS <b>or</b> 36, 73, 146 Gbyte 2.5-inch SAS <b>or</b> 160, 250, 500, 750 Gbyte or 1 TByte 3.5-inch SATA; 3.5-inch SAS / SATA mix only in separate HD-cages and in separate RAID sets, no later conversion from 3,5 to 2,5- inch possible
1 Gbyte equals one billion bytes when referring to hard disk drive capacity; accessible capacity may vary.	
<b>I/O Slots:</b>	
2 x PCI-Express x8, short 1 x PCI-Express x4, short 3 x PCI 32-bit / 33MHz, 2x long (5V); (in SAS configuration 1x PCIe occupied with modular RAID)	
<b>Drive bays</b>	
for hard disks	4x 3.5-Zoll, for Hot-plug SAS/SATA <b>or</b> 8x 2.5-Zoll, for Hot-plug SAS (in slide-in chassis)
for optional hard disks	2x 3.5-inch HDD box only in SAS configuration (occupies 2x 5.25-inch bay)

for accessible drives	3x 5.25/1.6-inch, (all possible options described in relevant system configurator) 1x 3,5/1-inch, for FDD (optional)
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**Electrical values**

1x standard or 2x optional redundant hot-plug power supplies

Output power 350 W / 1 + 1 x 400 W each

Rated voltage range 100 - 240 V

Rated frequency 50-60 Hz

Max. rated current 100 V - 240 V / 6 A - 3 A

Rated current in basic  
configuration 100 V - 240 V / 1.9 - 0.8 A

Active power (min – max) 64 - 232 W

Apparent power (min – max) 86 - 263VA

Heat emission (min – max) 230 - 835 kJ/h (218 - 792 btu/h)

**Temperature/Noise/Dimensions/Weight**Ambient temperature 10°C - 35°C (DIN IEC 721-3-3) class  
3K2; ETSI 300 019-2-3 Class 3.1Declared noise in  
according with ISO 9296 Idle\* / operating\* (\*ISO 7779)  
ETSI 300 753 Class 3.1Sound pressure  $L_{pAm}$  26 db(A) /35 db(A)Sound power  $L_{WAd}$  4.4 B / 5.3 B (1 BEL = 10 db)Dimension  
of floor-stand (HxWxD) 444 x 205 x 605 mm,  
incl. all plasticsRack (HxWxD) 221 x 482 x 642 mm;  
Rack mounting depth 607 mm; 5U

Weight Up to 28 kg

**Compliance with Norms and Standards****Product safety**

Global IEC 60950-1

Europe EN 60950-1

USA UL 60950-1

Canada CAN/CSA-C22.2 No. 60950-1

**Electromagnetic compatibility**This product and the released accessories, are in compliance with  
emission class A. In certain cases measures have to be taken to  
reduce the electro magnetic influence to other equipment.Europe EN 55 022 class A, EN 55024,  
EN61000-3-2 / -3, ETSI EN300386

USA / Canada FCC class A

**Declaration of conformity**Europe (CE) 2004/108/EC;  
2006/95 EC

North America FCC class A

**Approvals****Product safety**

Global CB

Europe CE

USA / Canada CSA<sub>US</sub> / CSA<sub>C</sub>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.**Supported server operating systems**See actual release status [operating systems](#); e.g. Windows Server  
2003; Windows Server 2008, Novell SUSE Linux Enterprise Server ,  
Red Hat Enterprise Linux (Support of Debian, Ubuntu, Mandriva  
Linux and other Linux derivatives [on demand](#))\*\* For supported controllers (onboard and PCI cards for SATA, SAS,  
RAID, LAN, WAN, etc.), please refer to the corresponding system  
configurator.**Server Management** (see separate data sheets)Standard PRIMERGY ServerView Suite;  
PDA, ASR&ROptional (excerpt) iRMC S2 Advanced Pack ServerView  
Local Service Panel (LSP)