

# PRIMERGY

## TX200 S3 2WAY

Quad-Core Intel® Xeon® X5355 (2.66GHz)/E5310 (1.60GHz)/  
Dual-Core Intel® Xeon® 5160 (3GHz)/5130 (2GHz)/5110 (1.60GHz)

1GB ECC DDR2 SDRAM FB DIMM (MAX16GB PC2 5300F)

HDD 6 Bays/8 Bays\* (MAX 1.8TB/2.4TB\*)

SAS Controller x8 (RAID1)

PCI Express x2  
PCI-X x3  
PCI x1

Onboard 1000BASE-T x1

Redundant Power Supply\*/Redundant Fan\*

\*When option applied



### Dual- or Quad-Core Intel® Xeon® Server — Cost-efficient expansion options and failsafe operation

PRIMERGY TX200 S3 is designed to provide you with flexible expansion options as your business requires new or larger server workloads. This applies not only to physical capacity expansion, such as the number of disk drives, advanced data protection schemes and I/O connectivity, but also transitioning to a 64-bit computing environment.

Failsafe operation with disk mirroring and hot plug disks adds extra levels of reliability letting you standardize on PRIMERGY TX200 S3 for your important application operations. Expandability is excellent with up to 16GB/12

GB DDR2 SDRAM Fully Buffered DIMM (PC2 5300F) memory, and sufficient free PCI slots for handling high I/O activity.

You can also tailor your business solutions by adding further options - such as extended RAID functions, clustering, and redundancy for power supplies and fans. This makes PRIMERGY TX200 S3 the cost effective flexible choice, for business and new business development, that you can rely on.

# PRIMERGY

## TX200S3 2WAY

### Specifications

Type		Dual-Processor Tower Server
CPU	Frequencies	Quad-Core Intel® Xeon® X5355 (2.66GHz) ** / E5310 (1.60GHz) ** / Dual-Core Intel® Xeon® 5160 (3GHz) *7 / 5130 (2GHz) ** / 5110 (1.60GHz)
	Second-Level-Cache	2x4MB ( Quad-Core Intel® Xeon® X5355 (2.66GHz) / E5310 (1.60GHz) ) / 4MB ( Dual-Core Intel® Xeon® 5160 (3GHz) / 5130(2GHz) / 5110 (1.60GHz) )
	Multi Processor	1 (max. 2)
Front-Side-Bus		1333MHz ( Quad-Core Intel® Xeon® X5355 (2.66GHz) / Dual-Core Intel® Xeon® 5160 (3GHz) / 5130 (2GHz) ) / 1066MHz ( Quad-Core Intel® Xeon® E5310 (1.60GHz) / Dual-Core Intel® Xeon® 5110 (1.60GHz) )
Chipset		Intel® 5000V
Memory	Standard	1GB (512MB ECC DDR2 SDRAM Fully Buffered DIMM x 2, PC2 5300F) (SDDC(Single Device Data Correction) supported)
	Maximum*1	16GB (ECC DDR2 SDRAM Fully Buffered DIMM, PC2 5300F)
Graphics Controller		incl. Remote Management Controller, VRAM : 1.7MB
Resolution*2	640x480 dot	16777216 colors
	800x600 dot	16777216 colors
	1024x768 dot	65536 colors
	1280x1024 dot	256 colors
Internal Bays 3.5 inch HDD (SAS)	Number of Bays	6 ( 8 by applying Internal HDD Unit Bay Conversion kit ) ( hot plug )
	Available HDD*3	73.4GB, 15krpm, SAS 146.8GB, 15krpm, SAS 300.0GB, 15krpm, SAS
	Maximum*3	1.8TB ( 2.4TB by applying Internal HDD Unit Bay Conversion kit ) *9
Internal Bays 5 inch		3 ( 2 free bays ) ( 1 ( 0 free bay ) by applying Internal HDD Unit Bay Conversion kit )
CD-ROM		standard (Max. 24 ATAPI)
PCI Slots	PCI Express (x8) [x8]	1
	PCI Express (x4) [x8]	1
	PCI-X (64bit/100MHz) [3.3V]**	2 ( 1 x Full Size )
	PCI (32bit/33MHz) [5.0V]	1 ( 1 x Full Size )
	PCI-X (64bit/100MHz) [3.3V]	1 ( SAS Controller occupies one slot. )
RAID Controller		standard (SAS Controller)
SAS Controller		SAS x 8ports (Installed as standard) (with RAID1 function)
Internal FDD		3.5inch (1.44MB/720KB)
Network Controller (onboard)		1 port (1000BASE-T/100BASE-TX/10BASE-T)
Interfaces		Display (Analog RGB), Serial Port x 2 (D-SUB 9pins), Parallel Port (optional, D-SUB 25pins) Keyboard (PS/2type Mini DIN 6pins), Mouse (PS/2type Mini DIN 6pins) USB x5 (ver. 2.0) ( internal : x2 / external : x3 )
Server Management Software		ServerView (Standard)
Remote Service function		standard (onboard, Remote Management Controller)
Power Supply	connector	1 port (100BASE-TX/10BASE-T)
	Voltage	AC 100-127V (50/60Hz) / AC 200-240V (50/60Hz) x 1 (AC 100-127V (50/60Hz) / AC 200-240V (50/60Hz) x 2 when Power Supply Conversion kit is applied.)
	Power Consumption	575W / 2070kJ/h (max.)
Redundant Power Supply		optional (hot plug when Power Supply Conversion kit is applied.)
Redundant Fan		optional (hot plug when Power Supply Conversion kit is applied.)
Dimensions (mm)		Tower : 174 (286 incl. protruding parts)(W) x 755 (D) x 474 (H) Rackmount ( when Rack Conversion kit for TX200 S3 is applied. ) : 483 (W) x 700 (750 incl. protruding parts) (D) x 177 (4U) (H)
Weight		Tower : 38kg (max.) / Rackmount: 40kg (max.)
Environmental Conditions		Temperature10-35°C / Humidity 20-80% (non condensing)
OS Support		Windows Server® 2003 R2, Standard Edition / Windows Server® 2003 R2, Standard Edition (SP2) Windows Server® 2003 R2, Enterprise Edition / Windows Server® 2003 R2, Enterprise Edition (SP2) Windows Server® 2003, Standard Edition (SP1/SP2) / Windows Server® 2003, Enterprise Edition (SP1/SP2) Windows Server® 2003 R2, Standard x64 Edition / Windows Server® 2003 R2, Standard x64 Edition (SP2) Windows Server® 2003 R2, Enterprise x64 Edition / Windows Server® 2003 R2, Enterprise x64 Edition (SP2) Windows Server® 2003, Standard x64 Edition / Windows Server® 2003, Standard x64 Edition (SP2) Windows Server® 2003, Enterprise x64 Edition / Windows Server® 2003, Enterprise x64 Edition (SP2) Windows® 2000 Server (SP4) / Windows® 2000 Advanced Server (SP4) Red Hat Enterprise Linux AS (v.3 for x86)*10 / Red Hat Enterprise Linux ES (v.3 for x86)*10 Red Hat Enterprise Linux AS (v.4 for x86) / Red Hat Enterprise Linux ES (v.4 for x86) Red Hat Enterprise Linux AS (v.4 for EM64T) / Red Hat Enterprise Linux ES (v.4 for EM64T) Red Hat Enterprise Linux 5 (for x86)*11 / Red Hat Enterprise Linux 5 (for Intel64)*11

\*1 : Available memory capacity will be changed by the type of OS. Please find more details in Notes[Memory OS Compatibility List].

\*2 : Resolution is determined by functions of the display monitor and OS.

\*3 : HDD capacity is calculated according to the formulas 1GB=1000<sup>3</sup> byte and 1TB=1000<sup>3</sup> byte.

\*4 : Frequency will be changed by the spec of PCI card and number of cards mounted.

\*5 : CPU Conversion kit: Xeon 5110(1.60GHz/4MB) -> Xeon X5355(2.66GHz/2x4MB) is available for upgrading to Quad-Core Intel® Xeon® X5355(2.66GHz).

\*6 : CPU Conversion kit: Xeon 5110(1.60GHz/4MB) -> Xeon E5310(1.60GHz/2x4MB) is available for upgrading to Quad-Core Intel® Xeon® E5310(1.60GHz).

\*7 : CPU Conversion kit: Xeon 5110(1.60GHz/4MB) -> Xeon 5160(3GHz/4MB) is available for upgrading to Dual-Core Intel® Xeon® 5160 (3GHz).

\*8 : CPU Conversion kit: Xeon 5110(1.60GHz/4MB) -> Xeon 5130(2GHz/4MB) is available for upgrading to Dual-Core Intel® Xeon® 5130 (2GHz).

\*9 : In case that SAS Controller installed as standard is used for RAID configuration, only 2 HDDs of same capacity and same rpm can be connected.

\*10 : Quad-Core Intel® Xeon® X5355(2.66GHz) / E5310(1.60GHz) are not included.

\*11 : Total number of cores of CPU(s) should be four or more for using VM (Virtual Machine) function.

\* Noise level is 37dB. ( Noise level is 47dB when Power Supply Conversion kit is applied. )

Specifications are subject to change without notice.

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#### Environmental Label

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