PRIMERGY

RX300 S3 2WAY

- Quad-Core Intel® Xeon® X5355 (2.66GHz)/E5310 (1.60GHz)/ Dual-Core Intel® Xeon® 5160 (3GHz)/5130 (2GHz)/5110 (1.60GHz)
- HDD 6 Bays (MAX 1.8TB)
- PCI Express x 3 PCI-X x 2 / x3*
- Redundant Power Supply*/ Redundant Fan

*when option applied

- 1GB ECC DDR2 SDRAM FB DIMM (MAX32GB PC2 5300F)
- Onboard SAS x 6 (RAID 0/1/5/1+0)
- Onboard 1000 BASE-T x 2



Dual- or Quad-Core Intel® Xeon® Server — Compact capacity for central service to your departments

PRIMERGY RX300 S3 is a Dual Socket 2U Xeon based Rack Server which meets expectations for an IT strategy that seeks to downsize data center infrastructure costs by enhancing transparency of structure, management overhead and maximize the use of investments. PRIMERGY RX300 S3 packs the capacity of a fully-featured departmental server into a rack design only 2U in height.

Offering breakthrough performance it features leading edge Dual- or Quad-Core Intel® Xeon® 5000/5100/5300 sequence CPUs embedded in a powerful design with a 6-port SAS controller and fast PCI Express links and PCI-X buses.

Expandability is covered for nearly any workload: 32GB DDR2 667 SDRAM FB-DIMM memory, up to 6 SAS hard disk drives, and sufficient free PCI slots for heavy I/O requirements.

To guarantee its high availability, PRIMERGY RX300 S3 provides: redundant hot-plug power supply and fan options, Hot-pluggable hard disk drives, PCI Express cards and onboard RAID. Special attention is given to high security memory data, with SDDC (Single Device Data Correction) and a memory mirroring option. With this built-in failsafe functionality PRIMERGY RX300 S3 is ideally suited to the demands of continuous operation in business critical environments, running data bases, terminal services, business applications or consolidation and virtual machine tasks.

PRIMERGY RX300 S3 2WAY

Specifications

Type		Dual-Processor Rack Server
CPU	Frequencies	Quad-Core Intel® Xeon® X5355 (2.66GHz) *5 / E5310 (1.60GHz) *6 / Dual-Core Intel® Xeon® 5160 (3GHz) *7 / 5130 (2GHz) *8 / 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® 5000P
Memory	Standard	1GB (512MB ECC DDR2 SDRAM Fully Buffered DIMM x 2, PC2 5300F) (SDDC(Single Device Data Correction) supported)
	Maximum*1	32GB (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 (hot plug)
	Available HDD*3*4	73.4GB, 15krpm, SAS 146.8GB, 15krpm, SAS 300.0GB, 15krpm, SAS
	Maximum*3*4	1.8TB (300.0GB x 6)
	Internal Backup Device	Tape Drv DAT72 36GB internal w/ Drive Cage is available as an option (required 2 bays)
CD-ROM		standard (Max. 24 ATAPI)
PCI Slots	PCI Express (x8) [x8]	1 : Low Profile PCI Express Card Only (0 when PCI-X-risercard is applied.)*9 *10
	PCI Express (x4) [x4]	2 : Low Profile PCI Express Card Only (hot plug) (0 when PCI-X-risercard is applied.)*9 *10
	PCI-X (64bit/133MHz) [3.3V]	2 : Low Profile PCI Card Only (3 : Full Height PCI Card Only when PCI-X-risercard is applied.)
RAID Controller		Onboard, 256MB Cache, without BBU (256MB Cache, with BBU when Cache Memory Conversion kit-256MB w/ BBU is applied.)
SAS Controller (onboard)		Onboard, SAS x 6ports (with RAID 0/1/5/1+0 function)
Internal FDD		3.5inch (1.44MB/720KB)
Network Controller (onboard)		1 port (1000 BASE-T/100 BASE-TX/10BASE-T) 1 port (1000 BASE-T/100 BASE-TX/10BASE-T) shared with Remote Management Controller
Interfaces		Display (Analog RGB), Serial Port x 1(D-SUB 9pins) (2 when Serial Port is applied.)*9 Parallel Port (optional D-SUB 25pins)*10 Keyboard (PS/2type Mini DIN 6pins), Mouse (PS/2type Mini DIN 6pins), USB x 5 (ver. 2.0)(Internal:x1,External:x4)
Server Management Software		ServerView (Standard)
Remote Service function		standard (onboard, Remote Management Controller)
Power Supply	Voltage	AC100-127V (50/60Hz) / AC200-240V (50/60Hz) x1 (max. 2)
	Power Consumption	687W / 2474kJ/h (max.)
	Redundant Power Supply	optional (hot plug)
Redundant Fan		standard (hot plug)
Dimensions (W x D x H (mm))		445 (483 incl. protruding parts) (W) x 717 (756 incl. protruding parts) (D) x 88 (2U) (H)
Weight		32kg (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)*11 / Red Hat Enterprise Linux ES (v.3 for x86)*11 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) *12 / Red Hat Enterprise Linux 5 (for Intel64)*12

*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=1000^3 byte and 1TB=1000^4 byte.
*4 : All internal HDD must be configured as RAID structure.
*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 : When Serial Port is applied, PCI Express slot x 1 is occupied. When PCI-X-risercard is applied, Serial Port can not be applied.
*10: When Parallel Port Option is applied, PCI Express slot x 1 is occupied. When PCI-X-risercard is applied, Parallel Port Option can not be applied.
*11: Quad-Core Intel® Xeon® X5355 (2.66GHz)/ E5310 (1.60GHz) are not included.
*12: Total number of cores of CPU(s) should be four or more for using VM (Virtual Machine) function.

*** Noise level is 58dB.**

Specifications are subject to change without notice.
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Environmental Label
The FUJITSU Group environmental logo was designed to be used by all Group companies in November, 1994. Categorized in the ISO14020 international standard, it indicates Green or Super Green products where special considerations have been given to environmental protection.
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