

# PRIMERGY

## RX200 S4 2WAY

Intel® Xeon® X5470 (3.33GHz)/X5460 (3.16GHz)/E5420 (2.50GHz)/L5410 (2.33GHz)/E5405 (2GHz)  
Intel® Xeon® X5270 (3.50GHz)/X5260 (3.33GHz)/E5205 (1.86GHz)

3.5" SAS HDD x2 Bays (Max. 900.0GB)  
2.5" SAS HDD x4 Bays (Max. 587.2GB)  
3.5" SATA HDD x2 Bays (Max. 1.0TB)

1GB (Max. 48GB) DDR2 SDRAM FB DIMM

2 ports (1000BASE-T)

PCI Express (x8) [x8]  
PCI Express (x4) [x4] x1 (SAS Controller occupies one slot)



### Intel® Xeon® Processor Rack Server — The reliable and efficient workhorse for your server farm

PRIMERGY RX200 S4 fully meets your consolidation strategies for corporate applications with centralized deployment and control, satisfying the necessary key requirements.

It provides the highest performance per rack density in the data center, plus the ease of management, cost optimization and the operational efficiency you demand.

Intel® Xeon® CPUs, deployed with integrated fail-safe standards – including disk mirroring, SAS controller (SAS model) and/or software RAID (SATA model) for standard RAID1, mirrored memory and a space-saving 1U format – mean enhanced quality of service with failure management that safeguards your important business applications.

RX200 S4 incorporates both the latest Intel® Xeon® X5470 (3.33GHz)/X5460 (3.16GHz)/E5420 (2.50GHz)/L5410 (2.33GHz)/E5405 (2GHz), and Intel® Xeon® X5270 (3.50GHz)/X5260 (3.33GHz)/E5205 (1.86GHz) CPUs sequence and up to 48GB PC2-5300 (DDR2-667) or FB-DIMM memory, giving you extra flexibility in planning your future options.

The system can be expanded to cover practically any workload, including up to 900.0GB (450.0GB x 2) 3.5" SAS, 587.2GB (146.8GB x 4) 2.5" SAS, 1.0TB (500.0GB x 2) 3.5" SATA hard disk drives.

To ensure high availability, PRIMERGY RX200 S4 provides high security RAID 0/1/1+0/5/6. It also boasts quieter operation, with noise reduced by 6dB from previous models.

### Specifications

Type		Dual-Processor Rack Server		
Model		3.5inch SAS model	2.5inch SAS model	3.5inch SATA model
CPU	Frequencies	Intel® Xeon® X5470 (3.33GHz)**/X5460 (3.16GHz)**/E5420 (2.50GHz)**/L5410 (2.33GHz)/E5405 (2GHz)**/ X5270 (3.50GHz)**/X5260 (3.33GHz)**/E5205 (1.86GHz)		
	Second-Level-Cache	12MB (Intel® Xeon® X5470 (3.33GHz)/X5460 (3.16GHz)/E5420 (2.50GHz)/L5410 (2.33GHz)/E5405 (2GHz))/ 6MB (Intel® Xeon® X5270 (3.50GHz)/X5260 (3.33GHz)/E5205 (1.86GHz))		
	Number of Processors	1 (max. 2)		
	Number of Cores	4 per processor ( Intel® Xeon® X5470(3.33GHz)/ X5460 (3.16GHz)/E5420 (2.50GHz)/L5410 (2.33GHz)/E5405 (2GHz)/ 2 per processor ( Intel® Xeon® X5270 (3.50GHz)/X5260 (3.33GHz)/E5205 (1.86GHz) )		
Front-Side-Bus		1333MHz (Intel® Xeon® X5470 (3.33GHz)/X5460 (3.16GHz)/E5420 (2.50GHz)/L5410 (2.33GHz)/E5405 (2GHz)/X5270 (3.50GHz)/X5260 (3.33GHz)/ 1066MHz (Intel® Xeon® E5205 (1.86GHz))		
Chipset		Intel® 5000P		
TPM (Trusted Platform Module)		-		
Memory	Standard	1GB (512MB ECC DDR2 SDRAM Fully Buffered DIMM x 2, PC2 5300F) (SDDC (Single Device Data Correction) supported)		
	Maximum*1	48GB (4GB ECC DDR2 SDRAM Fully Buffered DIMM x 12, PC2 5300F)		
Graphics Controller		incl. Remote Management Controller, VRAM : 8MB		
Resolution*2		640x480/800x600/1024x768/1280x1024 dot		
Internal Bays 3.5 inch HDD (SAS/SATA)	Number of Bays	2 (hot plug)	4 (hot plug)	2 (hot plug)
	Available HDD*3	3.5inch, SAS, 15krpm, 73.4GB 3.5inch, SAS, 15krpm, 146.8GB 3.5inch, SAS, 15krpm, 300.0GB 3.5inch, SAS, 15krpm, 450.0GB	2.5inch, SAS, 10krpm, 73.4GB 2.5inch, SAS, 10krpm, 146.8GB 2.5inch, SAS, 15krpm, 73.4GB	3.5inch, SATA, 7.2krpm, 80.0GB 3.5inch, SATA, 7.2krpm, 160.0GB 3.5inch, SATA, 7.2krpm, 500.0GB
	Maximum*3	900.0GB (450.0GBx2)	587.2GB (146.8GBx4)	1.0TB (500.0GBx2)
	DVD-ROM	optional (Max. 8 DVD-ROM/Max. 24 CD-ROM (SATA))*10		
PCI Slots	PCI Express (x8) [x8]	1 (Full Height PCI Express Card or LowProfile PCI Express Card)		
	PCI Express (x4) [x4]	1 (LowProfile PCI Express Card)		0
RAID	standard (SAS Controller, with RAID1 function)	standard (SAS Controller, with RAID1 function)*11	Software RAID	
SAS / SATA Interface		SAS x 4ports*12	SAS x 4ports	SATA x 2ports
FDD		- *13		
Network Interface (onboard)		2 ports (100BASE-T/100BASE-TX/10BASE-T)		
Interfaces		Display (Analog RGB), Serial Port (D-SUB 9pins), Keyboard (PS/2type Mini DIN 6pins), Mouse (PS/2type Mini DIN 6pins), USB x 4 (ver. 2.0)		
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)x1) (max. 2)		
	Power Consumption	577W/2077kJ/h (max.) (Intel® Xeon® X5470 (3.33GHz)/X5460 (3.16GHz)/E5420 (2.50GHz)/E5405 (2GHz)/ X5270 (3.50GHz)/X5260 (3.33GHz)/E5205 (1.86GHz) )/ 518W/1865kJ/h (max.) (Intel® Xeon® L5410 (2.33GHz))		
	Redundant Power Supply	optional (hot plug)		
Redundant Fan		standard		
Dimensions (W x D x H (mm) )		430 (482 incl. protruding parts(W) x 730 (774 incl. protruding parts(D)x43.5 (1U)(H)		
Weight		18.4kg (20.6kg incl. rack rails)(max.)		
Environmental Conditions		Temperature10-35°C/Humidity 20-80% (non condensing)		
OS Support		Windows Server® 2008 Standard (32-bit) /Windows Server® 2008 Enterprise (32-bit) Windows Server® 2008 Standard (64-bit)/Windows Server® 2008 Enterprise (64-bit) Windows Server® 2003 R2, Standard Edition (SP2)/Windows Server® 2003 R2, Enterprise Edition (SP2) Windows Server® 2003, Standard Edition (SP2)/Windows Server® 2003, Enterprise Edition (SP2) Windows Server® 2003 R2, Standardx64 Edition (SP2)/Windows Server® 2003 R2, Enterprisex64 Edition (SP2) Windows Server® 2003, Standardx64 Edition (SP2)/Windows Server® 2003, Enterprisex64 Edition (SP2) Red Hat Enterprise Linux ES (v.4 for x86)/Red Hat Enterprise Linux AS (v.4 for x86) Red Hat Enterprise Linux 5 (for x86)*14 *15 Red Hat Enterprise Linux ES (v.4 for EM64T)/Red Hat Enterprise Linux AS (v.4 for EM64T) Red Hat Enterprise Linux 5 (for Intel64)*14 *15		

\*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>4</sup> byte.

\*4: CPU Conversion kit: Xeon E5205 (1.86GHz) -> Xeon X5470 (3.33GHz) is available for upgrading to Intel® Xeon® X5470 (3.33GHz).

\*5: CPU Conversion kit: Xeon E5205 (1.86GHz) -> Xeon X5460 (3.16GHz) is available for upgrading to Intel® Xeon® X5460 (3.16GHz).

\*6: CPU Conversion kit: Xeon E5205 (1.86GHz) -> Xeon E5420 (2.50GHz) is available for upgrading to Intel® Xeon® E5420 (2.50GHz).

\*7: CPU Conversion kit: Xeon E5205 (1.86GHz) -> Xeon X5405 (2GHz) is available for upgrading to Intel® Xeon® X5405 (2GHz).

\*8: CPU Conversion kit: Xeon E5205 (1.86GHz) -> Xeon X5270 (3.50GHz) is available for upgrading to Intel® Xeon® X5270 (3.50GHz).

\*9: CPU Conversion kit: Xeon E5205 (1.86GHz) -> Xeon X5260 (3.33GHz) is available for upgrading to Intel® Xeon® X5260 (3.33GHz).

\*10: One DVD-ROM is required as a minimum in multiple servers.

If DVD-ROM SATA is not ordered, it is necessary to procure USB-DVD-ROM separately.

\*11: 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.

\*12: Only 2 ports are available.

\*13: One USB-FDD is required as a minimum in multiple servers.

It is necessary to procure USB-FDD separately.

\*14: Total number of cores of CPU(s) should be four or more for using VM (Virtual Machine) function.

\*15: VM (Virtual Machine) function is not supported for 3.5inch SATA model.

\* Noise level is 52dB.

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