FUJITSU

PRIMERGY
RX100 S5 1WAY

Intel® Xeon® X3320 (2.50GHz)/X3220 (2.40GHz)
Intel® Xeon® E3120 (3.16GHz)/E3110 (3GHz)
Intel® Core™ 2 Duo E7300 (2.66GHz)
Intel® Celeron® 430 (1.80GHz)

3.5inch SAS HDD x2Bays (MAX. 900.0GB)
3.5inch SATA HDD x2Bays (MAX. 1TB)

1GB (~8GB) DDR2 SDRAM
PCI Express x1
Onboard 1000BASE-T x2

intel Xeon inside™

intel Core™2 Duo inside™

Single-socket, Intel® 1U Rack Server -
Optimized in cost, size and complexity for easy deployment

As business processes and customer bases grow and rely more on web-based technology, IT managers face the challenge of rapid enhancements in front end infrastructure services. Increasingly they need a platform solution with minimum impact on their budgets, that is easy to deploy and simple to operate. This is the domain of the optimal PRIMERGY RX100 S5 rack server.

A single-socket entry model system, PRIMERGY RX100 S5 incorporates cutting-edge technology optimized for rack operation, providing high functionality and security at a competitive price.

The versatile design allows you to extend its range of use to include a variety of applications, in areas typically ranging from use as an infrastructure and connectivity server to a front-end server in multi-tier configurations. It also works well as a terminal server with connected storage subsystems.

Fujitsu offers this model with optional performance choices, including the powerful new Intel® Xeon® X3320 (2.50GHz)/X3220 (2.40GHz), Intel® Xeon® E3120 (3.16 GHz)/E3110 (3GHz)/ Intel® Core™ 2 Duo E7300 (2.66 GHz)/Intel® Celeron® 430 (1.80GHz).

Designed with the power reserves to handle small and medium-sized applications, it also boasts up to 8GB of ECC protected DDR2 SDRAM, plus high-speed data transfer by means of an onboard dual Gbit Ethernet LAN controller.

PRIMERGY RX100 S5 offers further choice with beneficial options including reliable SAS disk technology, the comfort of integrated RAID data protection, and cost-optimized SATA disks. With a space-saving 1U form factor and at under 60cm in depth, this compact, flexible rack server will let you easily integrate it into virtually any rack configuration.

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Specifications

Type		Mono-Processor Rack Server	
Model		3.5inch SAS model	3.5inch SATA model
CPU	Frequencies	Intel® Xeon® X3320 (2.50GHz)*⁴/X3220 (2.40GHz)*⁵/Intel® Xeon® E3120 (3.16GHz)*⁶/E3110 (3GHz)*⁷/ Intel® Core™ 2 Duo E7300 (2.66GHz)*⁸/Intel® Celeron® 430 (1.80GHz)	
	Second-Level-Cache	2x4MB (Intel® Xeon® X3220 (2.40GHz)) /6MB (Intel® Xeon® X3320 (2.50GHz)/E3120 (3.16GHz)/E3110 (3GHz))/ 3MB (Intel® Core™ 2 Duo E7300 (2.66GHz))/ 512KB (Intel® Celeron® 430(1.80GHz))	
	Number of processors	1 (max. 1)	
	Number of cores	4 per processor (Intel® Xeon® X3320 (2.50GHz)/X3220 (2.40GHz))/ 2 per processor (Intel® Xeon® E3120 (3.16GHz)/E3110 (3GHz)/Intel® Core™ 2 Duo E7300 (2.66GHz)) 1 per processor (Intel® Celeron® 430 (1.80GHz)	
Front-Side-Bus		1333MHz (Intel® Xeon® X3320 (2.50GHz)/E3120 (3.16GHz)/E3110 (3GHz))/ 1066MHz (Intel® Xeon® X3220 (2.40GHz)/Intel® CoreTM 2 Duo E7300 (2.66GHz))/ 800MHz (Intel® Celeron® 430 (1.80GHz))	
Chipset		Intel® 3210	
TPM (Trusted Platform Module)		standard (onboard)*⁹	
Memory	Standard	1GB (1GB ECC DDR2 SDRAM DIMM x 1)	
	Maximum*¹	8GB (2GB ECC DDR2 SDRAM DIMM x 4)	
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)	
	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	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 (450.0GB x 2)	1.0TB (500.0GB x 2)
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 (x8) [x8]	1 : LowProfile PCI Express Card Only	
RAID		Onboard SAS Controller, with RAID1 function	Software RAID
SAS / SATA Interface		SAS x 2ports	SATA x 2ports
FDD		– *¹¹	
Network Interface (onboard)		2 ports (1000BASE-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)	
	connector	1 port (100BASE-TX/10BASE-T)	
Power Supply	Voltage	AC 100-127V (50/60Hz)/AC 200-240V (50/60Hz) x 1 (max. 1)	
	Power Consumption	210W /756kJ/h (max.)	
	Redundant Power Supply	-	
Redundant Fan		-	
Dimensions (mm)		429 (482 incl. protruding parts (W) x 562 (596 incl. protruding parts (D) x 42 (1U) (H)	
Weight		12.5kg (15.2kg 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 Standard (64-bit) Windows Server® 2003 R2, Standard Edition (SP2)/Windows Server® 2003, Standard Edition (SP2) Windows Server® 2003 R2, Standard x64 Edition (SP2)/Windows Server® 2003, Standard x64 Edition (SP2) Red Hat Enterprise Linux ES (v.4 for x86)/Red Hat Enterprise Linux 5 (for x86)*¹² Red Hat Enterprise Linux ES (v.4 for EM64T)/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=1000³ byte and 1TB=1000⁴ byte.
*4: CPU Conversion kit: Celeron 430 (1.80GHz) -> Xeon X3320 (2.50GHz) is available for upgrading to Intel® Xeon® X3320 (2.50GHz).
*5: CPU Conversion kit: Celeron 430 (1.80GHz) -> Xeon E3220 (2.40GHz) is available for upgrading to Intel® Xeon® E3220 (2.40GHz).
*6: CPU Conversion kit: Celeron 430 (1.80GHz) -> Xeon E3120 (3.16GHz) is available for upgrading to Intel® Xeon® E3120 (3.16GHz).
*7: CPU Conversion kit: Celeron 430 (1.80GHz) -> Xeon E3110 (3GHz) is available for upgrading to Intel® Xeon® E3110 (3GHz).
*8: CPU Conversion kit: Celeron 430 (1.80GHz) -> Core 2 Duo E7300 (2.66GHz) is available for upgrading to Intel® Core™ 2 Duo E7300 (2.66GHz).
*9: TPM is available for BitLockerTM Drive Encryption of Windows Server® 2008.
*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: One USB-FDD is required as a minimum in multiple servers.
    It is necessary to procure USB-FDD separately.
*12: VM (Virtual Machine) function is not supported.

* Noise level is 45db.

Green Policy Innovation

FUJITSU LIMITED