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PRIMERGY RX servers are perfect answers for an IT strategy that seeks to downsize data center infrastructure costs by enhancing transparency of structure, management overhead and maximizing the use of investments.

With RX rack servers and the PRIMECENTER rack enclosures, you benefit from our renowned experience in data center technology, which assures the best quality of data center operation. To guarantee heterogeneous data center assets, the PRIMECENTER modular design accommodates seamless integration of PRIMEPOWER compute nodes, storage SAN and NAS subsystems, as well as other infrastructure components such as hubs, KVM switches and more, using a universal power circuit structure.

Cost-effective scaling, simplified operation and enhanced quality of data center IT production are the main benefits in deploying PRIMERGY RX servers. Their centralized PRIMERGY Server View Suite management functions mean less troubleshooting and costs and remote access from anywhere at any time. The flexible custom supply model and our build-to-order process means that only fully built and pre-tested rack solutions are shipped to the customer – shortening your time to production.

PRIMERGY RX200 S2

Consolidation strategies for corporate applications in data center server farms with central deployment and control face a number of requirements. Even more important than the best performance per unit of height is ease of management for ongoing cost optimization and operational efficiency in the data center. And since the best things to manage are those that hardly ever fail. Therefore the dual Xeon RX200 with its integrated fail-safe standards such as disk mirroring function, hot-plug disks, hot-spare and mirrored memory, all packed into a space-saving 1 U workhorse, provides you with enhanced quality of service for the management of your business applications.

In addition, you can relax as regards your decision on when and how to use the upcoming option of 64-bit computing: RX200 comes with the latest 64-bit-enabled Intel Xeon EM64T technology.



Key Features	Benefits
 Intel Xeon EM64Technology and up to 2 MB SLC for highest performance. 	 With Intel Xeon EM64Technology the processor gives the company a way to ease into 64-bit computing, as soon as the individual need of the application comes up:
 Up to 2x 300GB HD, 16 GB memory, storage integration Fibre channel add on, 1U 	 Computing power on compact space
 Failsafe standards – 2 x 300 GB hot-plug hard disks, integrated mirroring (IME), hot-spare memory and memory mirroring support, redundant fans, LEDs, ServerView Suite ZCR, hot-plug redundant power supply, RSB S2 (options) 	 Minimum management overhead for reliable operation
 2 x Gbit/s Ethernet LAN 	 Top-speed communications link via LAN as standard will assure continuity in failover mode

Turne	Dual Dragonar Daals Conver	
Туре	Dual Processor Rack Server	
System board	D 1790	
Chip set	Intel E7520	
Processors	Intel® Xeon [™] (1 - 2)	
Frequencies (GHz) Front-Side-Bus	2.80, 3.00, 3.20, 3.40, 3.60, (3.60)	
Second-Level-Cache	800 MHz	
	1 Mbyte (2 Mbyte with 3.60 GHz) ECC 1 Gbyte up to max. 16 Gbyte	
Memory		
2-way interleaved, registered ECC DDR2-400 SDRAM; 4 banks with 2 slots each for PC2-3200 modules with 512, 1 and 2 (as soon as available) Gbyte; Memory Scrubbing, Chipkill [™] , Hot-spare Memory option and Memory Mirroring option		
	loppy disk; Remote BIOS update via nd service partition, or through PCE-Boot	
Interfaces		
Serial	1x Serial RS-232-C (9 pin), usable for BMC or OS or shared	
Keyboard, Mouse	2x PS/2	
USB 2.0	1 x front, 2x back	
Graphics	1x VGA (15-pin)	
LAN	2x RJ45	
Onboard controller **		
SCSI (LSI 1020)	1-channel Ultra320 SCSI for internal HDD's with RAID 1 (Integrated Mirroring Enhanced) (for Windows and Linux)	
RAID option (PCI card lp, ZCR)	RAID level 0, 1, 10 extension for onboard SCSI/RAID controller	
LAN (Intel 82546EB)	2x 10/100/1000 Mbit/s Ethernet	
Graphics	ATI Rage XL 8 MB	
Server management	Baseboard Management Controller (BMC), IPMI 1.5 compatible	
Hard disk drives	36, 73, 146, 300 Gbyte,U320 SCSI	
1 Gbyte equals one billion bytes when referring to hard disk drive capacity; accessible capacity may vary.		
I/O Slots PCI-X		
1x PCI-X 64-bit / 133 MHz, long, usable for low profile cards, with expansion bracket included into the system 1x PCI-X 64-bit / 66 MHz Low Profile 170 mm		
Drive bays	Dx 2 5/1 inch for hot alway 0001	
for hard disks	2x 3.5/1-inch for hot-plug SCSI 1 x 5.25/0.5-inch, for CD/DVD option or	
for accessible drives	1 x 3.25/0.5-inch, for FD drive or 1 x 3.5/0.5-inch, for FD drive or LocalView display option or blind cover	
Electrical values		
1x Hot-plug power supply unit as standard. Additional hot-plug unit for redundancy option		
Output power	480 W / 1 + 1 x 480 W each	
Rated voltage range	100 - 240 V	
Rated frequency	50 - 60 Hz	
Max. rated current	100 V - 240 V / 7,5A - 3,8A	
Rated current in basic configuration	100 V - 240 V / 5A - 2,5A	
Active power	600 W	
Apparent power	600 VA	
Heat emission	2160 kJ/h (2050 btu/h)	

Temperature/Noise/Dime	-	
Ambient temperature	10°C - 35°C (to IEC 721)	
Sound pressure L _{pAm}	<= 62 dB (A) (ISO9296)	
Sound power L _{WAd}	<= 7.5 Bell (ISO9296)	
Overall measures	44 * 430 * 770 (mm); (HxWxD)	
Rack mounting depth: Rack height units: Rack cable depth:	745 mm, 1 U, 100 mm (900 mm Rack recommended)	
Rack integration kit	inclusive telescopic rails as part of the standard delivery	
Weight	~ 16 kg (depends on configuration)	
Compliance with Norm and Standards		
Product safety		
Global	IEC 60950	
Europe	EN 60950	
USA	UL 60950 3rd. Ed.	
Canada	CAN/CSA-C22.2 No. 60950 3rd. Ed.	
Electro magnetic compa	tibility	
Europe	EN 55 022 class A, EN 55024, EN61000-3-2 / -3	
Taiwan / Japan	-	
Australia / New Zealand	-	
USA / Canada	FCC class A	
Declaration of conformit	У	
Europe (CE)	89/336/EEEC (EMC); 72/23/EEC (LVD)	
North America	FCC class A	
Approvals		
Product safety		
Global	СВ	
Europe	CE	
USA / Canada	CSA _{US} / CSA _C	
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 operating sys		
Microsoft: Windows 2003 IA32 Standard, Enterprise Edition; Microsoft Windows 2003 Web Edition Microsoft: Windows 2000 Advanced Server; Server Novell: NetWare 6.5 SUSE: Enterprise Server 8 for X86 and 9 X86 / EM64T Red Hat: Enterprise Linux 2.1; 3 for X86 / EM64T		
** For supported controllers (onboard and PCI cards for SCSI, RAID, LAN, WAN, etc.), please refer to the corresponding system configurator.		
Server Management (see	separate data sheets)	
Standard	PRIMERGY ServerView Suite; PDA, ASR&R	
Optional	RemoteView, RemoteView Service Board (RSB)	
Front panel		
On/off switch; NMI-, reset button; LEDs for system status (amber), identification (blue), hard disks access (green), power (amber/green); (back: system status, identification)		

Company stamp

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