Data Sheet

We make sure



PRIMERGY RX600 S4

4-Socket Quad-Core Intel® Xeon® MP Rack Server (4U) – Guaranteed quality for consolidation and virtualization

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Pages 2

PRIMERGY RX servers offer the perfect solution to downsize data center infrastructure costs efficiently. Basis for it is an IT strategy for more transparency of structure- and administrative expenses as well as maximum use of investments. Our broad portfolio of innovative virtualization, server and solution offerings for TCO reductions of 60% or more provides best prerequisites. Optimized air flow cooling technology assures a long life, highest possible performance/watt as well as by far best in class efficiency -proven by numerous benchmark records.

Benefit from our renowned experience in datacenter technology. These allow it, to transfer the availability rates of high end UNIX servers to RX rack servers, PRIMECENTER rack enclosures and infrastructure products.

PRIMERGY ServerView Suite with remote management functions provides comprehensive management from anywhere at any time. Our 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. Last but not least Fujitsu Siemens Computers proven commitment to green IT offers clear competitive advantages to our customers.

PRIMERGY RX600 S4

Backend services such as databases and e-commerce business logic are the heartbeat of the business value chain; they deserve up-scaled performance and extreme robustness to guarantee the overall quality of IT operations.

With industry-standard operating systems, 4-way building blocks have proven to be a very cost efficient platform for consolidating multiple smaller workloads onto fewer but more powerful servers, using the latest virtualization techniques. And as critical usage factors scale up, so do the requirements for platform resilience and advanced levels of continuous operation.

The new introduced Quad-Core Xeon MP 7300 series brings tremendous performance and performance per Watt gains. RX600 S4 combines up to 4 Quad-Core Intel® Xeon® processors MP with exceptional internal capacity and data center-typical robustness and redundancy features into a space-optimized 4 U rack module that is designed to improve your IT production quality.









Benefits

- With 64-bit Intel Xeon MP and virtualization technology the processor gives your company a way to ease into 64-bit computing, as soon as the individual need of the application comes up. Virtualization offers a way to help consolidate a large number of individual small servers on one larger server, easing manageability and more efficiently using system resources
- Enhanced server reliability without extra cost, business continuity, more value for money as well as secured data safety.

Key Features

- The new introduced Quad-Core Xeon MP 7300 series brings performance gains of up to 1.87, performance per Watt up to 2,25 times and up to 47% better performance at less than half CPU usage for virtualization versus 7140M processor
- High Availability build-in for standard, like:
 SAS RAID controller with 512 MB RAID Cache, opt. BBU
 Hot spare memory support for pre-failure on-the-fly and
 memory mirroring, enhanced ECC and SDDC
 Hot-plug redundant fans and power supplies as standard
 Up to 8x hot-plug 2.5-inch SAS hard disks,
 Hot-plug PCIe slots
 LocalView display and integrated Remote Management
 Controller (iRMC S2) IPMI 2.0 as standard

Туре	4-Socket Rack Server	
System board	D 2244	
Chip set Processors	Intel® 7300 1 – 4x Intel® Xeon® MP 7000	
Processors	sequence (Dual-Core 7200 series or	
	Quad-Core 7300 series)	
Model #:	E7220: 2.93 GHz / 2x4 MB / 80W	
Clock frequency/	E7310: 1.60 GHz / 2x2 MB / 80W	
Second Level Cache/	E7330: 2.40 GHz/ 2x3 MB / 80W	
TDP	X7350: 2.93 GHz/ 2x4 MB / 130W	
Memory	2 Gbyte to max. 128 Gbyte	
4-way interleaved, registered Enhanced ECC DDR2 FBD667 SDRAM; 4 memory boards with 8 slots each for PC2-5300F modules 1, 2 and 4 Gbyte; memory scrubbing, SDDC (Chipkill), hot-spare memory, memory mirroring support		
Flash-EPROM	ory minrorning dupport	
	SB; Remote BIOS-Update via LAN with	
Global Flash. BIOS recov		
Interfaces		
Serial (9-pin)	2x RS-232-C	
USB 2.0	3x front, 2x rear, 1x internal for	
	backup (OHCI, 480 Mbit/s)	
Graphics (15-pin)	2x VGA (1x front, 1x rear)	
LAN	4x RJ45 Gbit/s, plus 1x 10/100 Mbit/s	
	for iRMC (can be switched shared on	
Front Bonol	Gbit port)	
Pront Panel	t button; LEDs for global error (amber/	
	SS), identification (blue), hard disks	
	mber/green); (back: global error,	
identification, LAN activity		
LC-Display (LocalView) f		
Onboard or integrated		
SATA (ESB2E)	1x for DVD drive	
SAS (LSI1078)	8-Port SAS RAID 0, 1, 10, 5, 50, 6, 60	
3A3 (E311076)	controller in PCIe slot with 512 MB	
LAN	controller in PCIe slot with 512 MB RAID Cache, optional BBU 4x 10/100/1000 Mbit/s Ethernet	
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max. mains current	5.44 A (240V)
max. heat dissipation	4,066 kJ/h (3,853 BTU/h)

Temperature/Noise/Dime	ensions/Weight
Ambient temperature	10°C - 35°C (DIN IEC 721-3-3) class 3K2, ETSI 300 019-2-3 Class 3.1
Air flow rate	max. ca. 6.5 m³/min
Declared noise emission according to ISO 9296	idle* operating* (*ISO 7779) ETSI 300 753 Class 3.1
L _{WAd} (1 B = 10 dB) :	7.0 B 7.0 B
L _{pAm} (bystander position):	55 dB 55 dB
Overall measures	176 x 482.6 x 737 mm
Rack mount depth: Rack height units: Rack cable depth:	700 mm 4 U 100 mm (1000 mm Rack recommended)
Rack integration kit	telescopic rails with full or partial extraction / cable management optiona
Weight	ca. 40 kg (configuration dependent)
Compliance with Norms	
Product safety	
Global / Europe	IEC 60950-1 / EN 60950-1
USA	UL 60950-1
Canada	CAN/CSA-C22.2 No. 60950-1
Electromagnetic compa	tibility
emission class A. In certain	ed accessories, are in compliance with cases measures have to be taken to influence to other equipment. EN 55 022 class A, EN 55024,
	EN61000-3-2, EN61000-3-3, ETSI EN 300386
Taiwan / Japan	CNS 13438 class A / VCCI class A
Australia / New Zealand	AS / NZS 3548 class A
USA / Canada	CFR47, part 15, subpart B, class A / ICES-003 class A
Declaration of conformi	
Europe (CE)	2004/108/EC(EMV);2006/95/EC(LVD))
North America	FCC class A
Approvals	
Product safety	T
Global / Europe	CB / CE
USA / Canada	CSA _{US} / CSA _C
European countries and N	ce with the safety requirements of all orth America. National approvals statutory regulations or for other or nequest.
Supported server operat	ing systems
2003; Windows Server 200 , Red Hat Enterprise Linux Ubuntu, Mandriva Linux ar	operating systems: e.g. Windows Serve 08, Novell SUSE Linux Enterprise Serve r; VMware ESX (Support of Debian, nd other Linux derivatives on demand)
RAID, LAN, WAN, etc.), pl configurator.	s (onboard and PCI cards for SAS, ease refer to the corresponding system
Server Management (see	
Standard:	Primergy ServerView Suite; PDA, ASR&R ServerView Local Status Display

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Fujitsu Siemens Computers http://www.fujitsu-siemens.com/

Optional:

Company stamp

ServerView Local Status Display

iRMC S2 Advanced Pack, RemoteView