Data Sheet	We make sure	FUJITSU COMPUTERS	
PRIMERGY RX220 Dual-Core AMD Opteron™ Processor based Rack Server – Server Farm performance with entry price lev		May 17 th , 2006 2	

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 maximizes 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 ServerView 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 RX220

Corporate applications in data center server farms with central deployment and control demand increasing performance. The cost-efficient PRIMERGY RX220 extends the PRIMERGY RACK portfolio to the lowest density basic feature segment with Dual-Core AMD Opteron[™] processors and focuses rather on maximum compute power than on maximum reliability in comparison to RX200. With technical evolutions like dual-core processors and 32 Gbytes direct addressable memory the PRIMERGY RX220 matches your business application requirements perfectly. Therefore the Dual-Core AMD Opteron processor based PRIMERGY RX220 with its integrated hot-plug SATA hard disks in combination with disk mirroring function in a space-saving 1 U chassis provides you with a budget saving platform.

The processor support of 32- and 64-bit applications offers a secure investment for upcoming demands.





Key Features	Benefits
 64-bit AMD Opteron[™] processors AMD64Technology and up to 2x 1 MB SLC with dual-core processors for highest performance. 	 With AMD64 the processor gives the company a way to ease into 64-bit computing, as soon as the individual need of the application comes up: Dual core offers double CPU performance within one socket. Nearly 4-way performance with two Dual-Core processors is a real benefit for high performance computing.
 Up to 2x 250 GB SATA HD, 16 (32) GB memory, storage integration Fibre channel add on, 1U 	 Enhanced computing power on compact space
 Failsafe standards – 2 x 250 GB hot-plug or easy change hard disks, integrated RAID 0, 1, high speed fans, LEDs, ServerView Suite 	 Minimum management overhead for powerful operation
 2 x Gbit/s Ethernet LAN 	 Top-speed communications link via LAN as standard will assure continuity in failover mode

Туре	Dual Socket Rack Server	
System board	D 2130	
Chip set	BroadCom BCM5780 / BCM5785	
Processors	64-bit AMD Opteron™ (1 - 2)	
Type, Frequencies (GHz)	246, 2.00 / 248, 2.20 / 250, 2.40 / 252, 2.60 / 254, 2.80 / 2.56, 3.00 Single-Core and 265, 1.80 / 270, 2.00 / 275, 2.20 / 280, 2.40 Dual-Core	
HyperTransport [™] -Bus	1 GHz	
Second-Level-Cache	1 Mbyte (2x 1 Mbyte with Dual-Core) ECC	
Memory	1 Gbyte up to max. 32 Gbyte	
slots each for PC3200 m Scrubbing, SDDC (Chipk Flash-EPROM		
LAN with Global-Flash an LAN from PXE server	JSB memory stick; Remote BIOS update via nd service partition, or through PCE-Boot via	
Interfaces Serial	1x Serial RS-232-C (9 pin), usable for	
	BMC or OS or shared	
Keyboard, Mouse	2x PS/2	
USB 2.0	2 x front, 2x back	
Graphics	1x VGA (15-pin)	
LAN	2x RJ45	
Onboard controller **		
Promise PDC20319u SATA 150 RAID	2-port SATA 150 RAID for internal HDD's with RAID 0, 1 (for Windows and Linux)	
RAID option	RAID level 0, 1	
LAN (BCM5780)	2x 10/100/1000 Mbit/s Ethernet (PCE-Boot via LAN from PXE server)	
Graphics	ATI Radeon 7000M, 16 MB	
Server management	Baseboard Management Controller (BMC), IPMI 1.5 compatible	
Hard disk drives	80, 160, 250, 500 Gbyte, SATA 150	
1 Gbyte equals one billion bytes capacity may vary.	when referring to hard disk drive capacity; accessible	
I/O Slots	PCI-X, PCI-Express	
1x PCI-X 64-Bit / 133 MHz standard long 1x PCI-Express x8 standard short 170 mm		
Drive bays		
for hard disks	2x 3.5/1-inch for easy change or hot-plug SATA	
for accessible drives	1 x 5.25/0.5-inch IDE-CD- or DVD- or CD- RW-ROM	
Electrical values		
1x standard power supply	y unit	
Output power	500 W	
Rated voltage range	100 - 240 V	
Rated frequency	50 - 60 Hz	
Max. rated current	100 V - 240 V / 6.0A - 3.0A	
Rated current in	100 V - 240 V / 5A - 2.5A	
basic configuration		
Active power	500 W	
Apparent power Heat emission	670 VA 1800 kJ/h (1706 btu/h)	

Temperature/Noise/Dime	nsion/Weight		
Ambient temperature	10°C - 35°C (to IEC 721)		
Sound pressure L _{pAm}	<= 55 dB (A) (ISO9296)		
Sound power L _{WAd}	<= 7.2 Bell (ISO9296)		
Overall measures	43 * 430 * 737 (mm); (HxWxD)		
Rack mounting depth:	745 mm,		
Rack height units: Rack cable depth:	1 U, 100 mm		
Rack cable depth.	(900 mm Rack recommended)		
Rack integration kit	inclusive telescopic rails as part of the standard delivery		
Weight	~ 14 kg (depends on configuration)		
Compliance with Norm a			
Product safety			
Global	IEC 60950-1		
Europe	EN 60950-1		
USA	UL 60950-1		
Canada	CAN/CSA-C22.2 No. 60950-1		
Electro magnetic compa	tibility		
Europe	EN 55 022 class A, EN 55024,		
	EN61000-3-2 / -3-3		
Taiwan / Japan	CNS 13438 Class A / -		
Australia / New Zealand	C-Tick Class A / -		
USA / Canada	FCC class A		
Declaration of conformit	y .		
Europe (CE)	89/336/EEC (EMC); 72/23/EEC (LVD)		
North America	FCC class A		
Approvals			
Product safety			
Global	СВ		
Europe	CE		
Germany	GS		
USA / Canada	CSA _{US} / CSA _C or UL _{US} / UL _C		
Taiwan	BSM		
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			
	Standard, Enterprise IA32 Edition;		
Microsoft: Windows 2003 Standard, Enterprise 1762 Edition; Microsoft Windows 2003 Web Edition Microsoft: Windows 2000 Advanced Server; Server			
SUSE: Enterprise Server 9 for X86 / EM64T			
Red Hat: Enterprise Linux 4 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		
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)			

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