



PROCELERANT RMS420-0945-RB

19-inch 4U Rack Mount Server

FEATURE SUMMARY

Motherboard

- Single Intel® Celeron™ D or Intel® Pentium® 4 Processor up to 3.4GHz
- 533/800MHz Front Side Bus (FSB)
- Intel® 945G chipset
- Up to 4GB of DDR2 RAM
- Gigabit LAN port
- Four PCI slots
- Two PCI-Express x1 slots
- PCI Express x16 slot
- Intel® High Definition Audio

Chassis

- Support for up to three hard disk drives
- CD/DVD drive
- Four rear USB 2.0 ports
- One front USB 2.0 port
- 400W AC power supply
- Agency approvals for UL60950 (US, Canada Listing), EN60950 (CB REPORT), & CE Mark
- Dual Front Access 120mm fans
- Card

PRODUCT DESCRIPTION

The Procelerant™ RMS420 Rack Mount Server provides a robust, cost-effective, scalable platform for a wide variety of applications. The RMS420-0945RB includes a RadiSys Endura RB945G motherboard that includes 4 PCI slots, 2 PCI-Express x1 slots, 1 PCI-Express x16 slot, and on-board Gigabit Ethernet. Intel® processors up to 3.4GHz Pentium® 4 with an 800MHz front side bus are available and the system can be configured with up to 4 GB of DDR2 memory.

LONG PRODUCT LIFE

OEM customers require stable platforms to assure compatibility when integrating additional hardware and software to build up complete systems. Frequent, and often poorly documented, changes in consumer PC-based systems can result in manufacturing disruptions and costly re-engineering and re-qualification. The RMS420 Rack Mount Server system is based exclusively on long-life components with rigorous and well-documented engineering change-control procedures.

SCALABLE SOLUTION

The RMS420-0945RB Rack Mount Server platform can be configured to provide varying levels of performance and price. The basic product includes a 2.9GHz Intel® Celeron® D processor, 256MB of RAM, a single 80 GB SATA drive and a CD-RW/DVD ROM drive. The higher performance standard configuration includes a 3.4GHz Intel® Pentium® 4 Processor, 512MB of RAM, a single 160GB SATA drive and a CD-RW/DVD- ROM drive. OEM customers can add application-specific cards, increase CPU speed and/or memory and add additional drives to tailor the system for their specific requirements.

Procelerant RMS420-0945-RB Specifications

Feature	Function	Description													
Physical	Dimensions	7" (H) x 17" (W) x 19.6" (D) (177.8 mm x 431.8 mm x 497.8 mm)													
	Weight	44 lbs (20 kg) base chassis													
Power Supply	Input	100 to 240 VAC, 50/60Hz auto switching													
	Output	<table border="1"> <tr> <td>Power</td> <td>+3.3V</td> <td>+5V</td> <td>+12V</td> <td>-5V</td> <td>-12V</td> <td>+5Vstb</td> </tr> <tr> <td>400W</td> <td>28A</td> <td>32A</td> <td>16A</td> <td>0.3A</td> <td>0.8A</td> <td>2A</td> </tr> </table>	Power	+3.3V	+5V	+12V	-5V	-12V	+5Vstb	400W	28A	32A	16A	0.3A	0.8A
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400W	28A	32A	16A	0.3A	0.8A	2A									
Cooling	Fans	Two 120mm front accessible fans													
		One fan mounted in power supply													
		Fansink on the processor													
Processor System	Board	RadiSys RB945G													
	Standard CPU	2.9 GHz Intel Celeron D Processor 341 or 3.4 GHz Pentium 4 651													
	Chipset	Intel 945G Express with Intel ICH7R													
	Memory	Up to 4GB DDR2 667 (3.24GB available)													
	Video	Integrated Intel GMA950 (Graphics Media Accelerator)													
	Ethernet	10/100/1000BaseT													
Front I/O	Switches	Power													
	LED Indicators	Power On, Hard Disk Activity, Speaker Activity													
	USB	One front-mount USB 2.0													
Rear I/O	Serial	One 9-pin D-sub connectors													
	Parallel	One 25-pin D-sub connector													
	Keyboard	One 6-pin PS/2 connector													
	Mouse	One 6-pin PS/2 connector													
	USB	Four USB 2.0 Type A connectors													
	Video	One 15-pin VGA D-sub connector													
	Audio	Two 2.5mm stereo connectors													
	Ethernet	One RJ45 connector, with status indicators													
Drive Bays	Maximum Number	Front Accessible Internal													
		3½ inch 5¼ inch													
		3 1													
Slots	-	PCI PCI-Express													
		4 2(x1), 1(x16)													
Mass Storage	Hard Disk Drive	Up to (3) 3.5" SATA													
	CD-RW/DVD-ROM drive	One 5¼" IDE (Standard)													
Environment	-	Operating Non-operating													
	Temperature	10° C to 45° C -25° C to 70° C													
	Humidity	Up to 93% C at 40° C non condensing 97% at 25° C to 93% at 40° C non condensing													
	Shock	1g, 11ms 10g 6-10ms													
	Vibration	0.2g, 5-500 Hz -2g, 10-150 Hz													
Regulatory	Emissions	FCC Part 15 Class A													
		European EMC Directive													
		EN55022: 1998 Class A													
		EN50024: 1998													
	Safety	UL/cUL UL60950													
		EN60950 (CB REPORT)													
		CE Mark													

Ordering Information

Toll-Free: 800-950-0044

Phone: 503-615-1100

Support: 866-385-6167

Call for pricing and availability.
Refer to the order codes below.

4U Rack Mount Server
2.9GHz Celeron D Processor 341
256MB DDR2-667 DIMM Memory
80GB SATA (7200 RPM) hard drive
CD-RW/DVD-ROM drive

ORDER CODE: RMS420-0945RB-01

4U Rack Mount Server
3.4GHz Pentium 4 Processor 651
512MB DDR2-667 DIMM Memory
160GB SATA (7200 RPM) hard drive
CD-RW/DVD-ROM drive

ORDER CODE: RMS420-0945RB-02



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