RS-200-RP
RS-200-RP-C

2U Rackmount, e-Server System with Intel® Xeon™ Processor (Prestonia) 2.8 GHz/16 GB DDR/Six SCSI HDDs/Dual Gigabit LAN
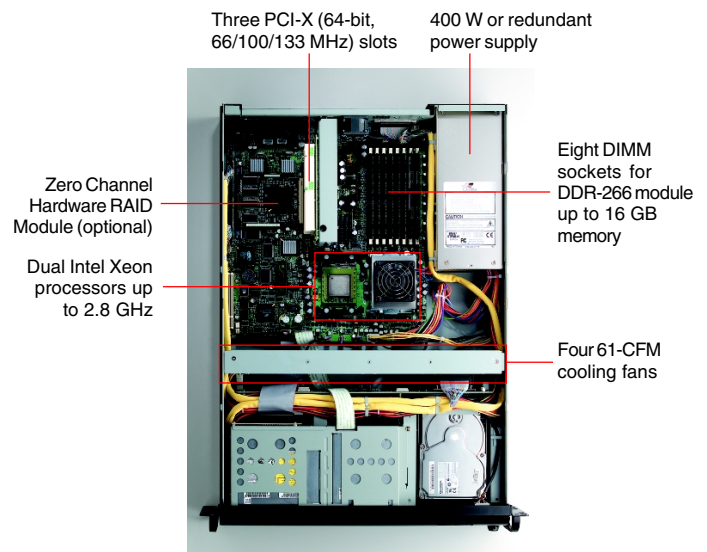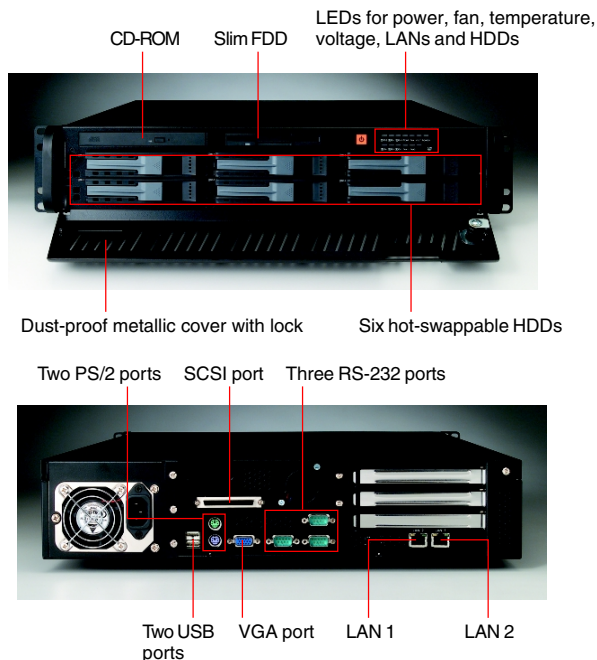
Features

- Compact 2U sized rackmount server, front cover with key lock
- Dual Intel Xeon processors 1.8 ~ 2.8 GHz (Prestonia)
- ServerWorks ServerSet GC-LE chipset, supports 400/533 MHz FSB
- Eight DDR DIMM sockets for DDR-200/266 module with ECC and register, up to 16 GB (dependent on OS support)
- Dual channel Ultra 160/320 SCSI controllers, each channel data transfers rate up to 160/320 MB per second
- Zero-channel hardware RAID option
- Dual Gigabit (10/100/1000Base-T) LAN ports
- Three PCI-X (64-bit,66/100/133 MHz) slots
- 400 W or redundant 350 W (1+1) ATX power supply
- Server management, supports SNMP MIB-based software for remote monitoring
- OS supports Win 2K/XP, Red Hat Linux 7.3,, FreeBSD 4.5

NEW

Introduction

The RS-200-RP series are compact 2U rackmount servers that provide flexible and suitable solutions for ISPs, telecommunications applications, Industrial Automation, VOD and space constrained data centers. The servers are comprised of Advantech's in-house designed server-engineered motherboards, which supports either dual Intel Xeon processors 2.8 GHz or higher CPU speeds of up to 16 GB of registered, ECC, DDR-266 SDRAM, 400/533 MHz FSB (RS-200-RP support DDR-200 SDRAM, 400 MHz FSB). The servers, with ServerWorks GC-LE chipset, supports PCI-X bus at 64-bit/66,100,133 MHz, and comes with three PCI-X expansion slots. Designed to be easily configurable, the servers includes six hot-swappable SCSI storage devices, compact floppy disk drive, and CD-ROM drives. Complete I/O functions include: dual Broadcom BCM5701/3 Gigabit Ethernet controllers, with support for 10Base-T, 100Base-TX and 1000-Base-T through RJ-45 connectors. The system cooling fans provide superior ventilation and thermal performance. The front panel LED indicators and alarm system detects fan speed, chassis temperature, system voltage, HDD and power supply failure that allows remote monitoring through optional SNMP MIB-based management software.

CD-ROM   Slim FDD   LEDs for power, fan, temperature, voltage, LANs and HDDs

Dust-proof metallic cover with lock   Six hot-swappable HDDs

Two PS/2 ports   SCSI port   Three RS-232 ports

Two USB ports   VGA port   LAN 1   LAN 2

Three PCI-X (64-bit, 66/100/133 MHz) slots   400 W or redundant power supply

Zero Channel Hardware RAID Module (optional)

Dual Intel Xeon processors up to 2.8 GHz

Eight DIMM sockets for DDR-266 module up to 16 GB memory

Four 61-CFM cooling fans

CE UL FCC

Specifications

		RS-200-RP-C	RS-200-RP
Processor System	CPU	Intel Xeon x 2	
	Max. Speed	1.8 ~ 2.8 GHz	
	L2 Cache	512 KB	
	Chipset	ServerWorks ServerSet GC-LE	
	BIOS	Award 4 Mb Flash	
Bus	Front Side Bus	400/533 MHz	400 MHz
	PCI	64-bit/66, 100, 133 MHz	
	PCI Expansion	64-bit/66 MHz x3, 64-bit/100 MHz x2 or 64-bit/133 MHz x1	
Memory	Technology	DDR-266 registered SDRAM with ECC support	DDR-200 registered SDRAM with ECC support
	Max. Capacity	16 GB	
	Socket	184-pin DIMM x8	
Graphic	Controller	ATI RAGE XL	
	VRAM	8 MB SGRAM	
Ethernet	Interface	10/100/1000Base-T	
	Controller	Broadcom BCM5701/3 x 2	
	Connector	RJ-45 x2	
SCSI	Interface	Ultra 320	Ultra 160
	Controller	Adaptec 7902W	Adaptec 7899WA
	Max. Data Transfer Rate	320 MB/sec.	160 MB/sec.
	Channel	2	
RAID Support		Zero-channel RAID module (optional)	
Drive Bay	3.5" HDD	6 (hot-swap, SCA-2 SCSI)	
	Slim FDD	1	
	Slim CD-ROM	1	
I/O Interface	USB	2 (USB 1.1 compliant)	
	Serial	3 (RS-232)	
	PS/2	2 (mouse x1, keyboard x1)	
	CRT	1	
Cooling	Fan	4 (61 CFM/each)	
Operating System	Compatibility	Windows 2000/XP, Red Hat Linux 7.3, FreeBSD 4.5	
Management	Indicator	LED for power, fan, temperature, voltage, LANs and HDDs (w/HDD failure indicator)	
	System Monitoring	SMC-2000 (optional)	SNMP MIB-based software (optional)
Miscellaneous	Control	Momentary power switch and alarm mute switch	
	Slider Rail	Bundled, 22" long	
Power Supply	Watt	400 W or 350 W ATX (1+1 redundant, 350 W/each)	
	Input	AC 90 ~ 264 V @ 47 ~ 63 Hz, full range	
Environment		Operating	Non-Operating
	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-20 ~ 75 °C (-4 ~ 167 °F)
	Humidity	5 ~ 85 % @ 40 °C (104 °F)	5 ~ 95 %
Physical	Dimensions (W x H x D)	482 x 88 x 600 mm (19" x 3.46" x 23.6")	
	Weight	14.4 Kg (31.7 lb)	

Dimension Diagram
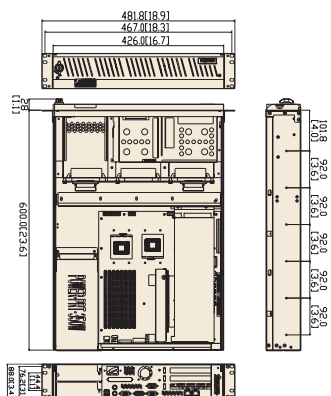
Unit: mm (inch)

Ordering Information

Part Number	Dual SCSI Channels	Power Supply
RS-200-RP-R4R3C	Each SCSI channel can support 3 SCSI HDDs	350 W (1+1 redundant, 350 W/each)
RS-200-RP-R4S6C	Internal SCSI channel can support 6 SCSI HDDs, external SCSI for backup and storage expansion	350 W (1+1 redundant, 350 W/each)
RS-200-RP-S4S6C	Internal SCSI channel can support 6 SCSI HDDs, external SCSI for backup and storage expansion	400 W
RS-200-RP-R4-R3	Each SCSI channel can support 3 SCSI HDDs	350 W (1+1 redundant, 350 W/each)
RS-200-RP-R4-S6	Internal SCSI channel can support 6 SCSI HDDs, external SCSI for backup and storage expansion	350 W (1+1 redundant, 350 W/each)
RS-200-RP-S4-S6	Internal SCSI channel can support 6 SCSI HDDs, external SCSI for backup and storage expansion	400 W