

# RS-200-RPS-D

2U Rackmount System with Intel® Xeon™  
DP Processor 3.2 GHz/12 GB DDR/  
Six SCSI HDDs/Dual Gigabit LAN



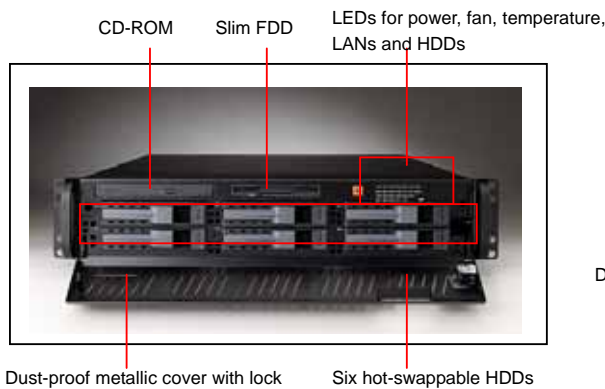
## Introduction

The RS-200-RPS-D series are compact 2U rackmount system that provide flexible and suitable solutions for ISPs, telecommunications applications, Industrial Automation, VOD and space constrained data centers. The RS-200-RPS-D is comprised of Advantech's in-house designed server-engineered motherboard, which supports either dual Intel Xeon DP processors 3.2 GHz or higher CPU speeds of up to 12 GB of registered, ECC, DDR-266 SDRAM, 400/533 MHz FSB. The RS-200-RPS-D with Intel E7501 chipset, supports PCI-X bus at 64-bit/66,100,133 MHz, and comes with four PCI-X expansion slots. Designed to be easily configurable, the

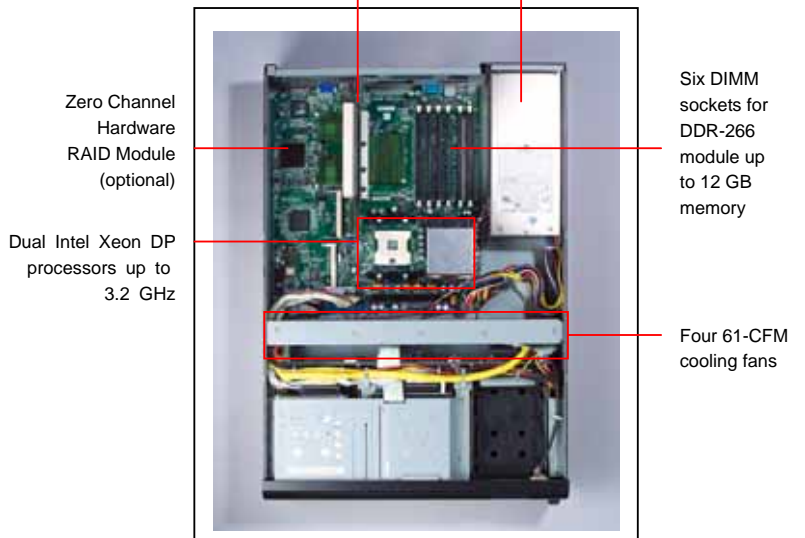
## Features

- Compact 2U sized rackmount server, front cover with key lock
- Dual Intel® Xeon™ DP processors 1.8 ~ 3.2 GHz
- Intel® E7501 chipset, supports 400/533 MHz FSB
- Six DDR DIMM sockets for DDR-266 module with ECC and register, up to 12 GB (dependent on OS support)
- Dual channel Ultra 320 SCSI controllers, up to 320 MB per second data transfer rate for each channel
- Zero-channel hardware RAID option
- Dual Gigabit (10/100/1000Base-T) LAN ports
- Four PCI-X (64-bit, 66/100/133 MHz) slots
- 400 W or redundant 350 W (1+1) ATX power supply
- Server management, supports IPMI-based software for remote monitoring
- OS supports Win NT4/2K/XP, Red Hat Linux 7.3/8.0/9.0, FreeBSD 4.5

RS-200-RPS-D includes six hot-swappable SCSI storage devices, compact floppy disk drive, and CD-ROM drives. Complete I/O functions include: Intel 82546EB Dual 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, HDD and power supply failure that allows remote monitoring through optional IMPI management software.



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



## Specifications

<b>Processor System</b>	CPU	Intel Xeon DP x 2	
	Max. Speed	1.8 - 3.2 MHz	
	L2 Cache	512 KB	1 MB
	Chipset	Intel E7501	
	BIOS	Award 4 Mb Flash	
<b>Bus</b>	Front Side Bus	400/533 MHz	
	PCI Extension	PCI-X 64-bit, 100 MHz (low profile) x1 PCI-X 64-bit x 3 (up to 133 MHz)	
<b>Memory</b>	Technology	DDR-266 registered SDRAM with ECC support	
	Max. Capacity	12 GB	
	Socket	184-pin DIMM x 6	
<b>Graphic</b>	Controller	ATI Rage XL PCI	
	VRAM	8 MB SGRAM	
<b>Ethernet</b>	Interface	10/100/1000Base-T	
	Controller	Intel 82546EB	
	Connector	RJ-45 x 4	
<b>SCSI</b>	Interface	Ultra 320	
	Controller	Adaptec 7902W	
	Max. Data Transfer Rate	320 MB/sec.	
	Channel	2	
<b>Raid Support</b>	Zero-channel RAID module (optional)		
<b>Drive Bay</b>	3.5" HDD	6 (hot-swap, SCA-2 SCSI)	
	Slim FDD	1	
	Slim CD-ROM	1	
<b>I/O Interface</b>	USB	2 (USB 1.1 compliant)	
	Serial	2 (RS-232)	
	PS/2	2 (mouse x 1, keyboard x 1)	
	CRT	1	
<b>Cooling</b>	Fan	4 (61 CFM/each)	
<b>Operating System</b>	Compatibility	Windows NT4.0/2000/XP, Red Hat Linux 7.3/8.0/9.0, FreeBSD 4.5	
<b>Management</b>	Indicator	LED for power, fan, temperature, LANs and HDDs (w/HDD activity indicator)	
<b>Miscellaneous</b>	Control	Momentary power switch	
	Slider Rail	Bundled, 22" long	
<b>Power Supply</b>	Watt	400 W or 350 W ATX (1+1 redundant, 350 W/each)	
	Input	AC 90 ~ 264 V @ 47 ~ 63 Hz, full range	
<b>Environment</b>	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -20 ~ 75 °C (-4 ~ 167 °F)
	Humidity	5 ~ 85 % @ 40 °C (104 °F)	5 ~ 95 %
<b>Physical</b>	Dimensions (W x H x D)	428 x 88 x 600 mm (19" x 3.46" x 23.6")	
	Weight	14.4 Kg (31.7 lb)	

## Parts Information

Part Number	Descriptions
1757940030	400 W power supply
1757355000	350 W ATX redundant power supply
1750000023	Fan module (1 Fan, 61 CFM)
1750000016	Fan module (3 Fans, 61 CFM/each)

## Ordering Information

Part Number	Power Supply
RS-200-RPS/S-D	400 W
RS-200-RPS/R-D	350 W (1+1 redundant W/each)

## Accessory Options

Part Number	Descriptions
9686000171	ZCR 2015S HW RAID module
9689000673	Slider rail
9680000036	IPMI module