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e-Server Systems



RS-100-SF



RS-200-RT



RS-400-SF

| Specifications | | Model Name | RS-100-SF | RS-100-RT | RS-200-RP | RS-200-RT | RS-400-SF |
|---------------------------|-------------------------|------------|--|---|--|--|--|
| Processor System | CPU | | Intel® Pentium® 4/ Celeron®, Micro PGA 478 package | Intel® Pentium® III x2 | Intel® Xeon™ x2 | Intel® Pentium® III x2 | Intel® Pentium® 4/ Celeron®, Micro PGA 478 package |
| | Max. Speed | | 2.4/1.8 GHz | 1.4 GHz | 1.8 ~ 2.8 GHz | 1.4 GHz | 2.4/1.8 GHz |
| | L2 Cache | | 512/128 KB | 512/256 KB | 512 KB | 512/256 KB | 512/256 KB |
| | Chipset | | SiS650/651 | ServerWorks® ServerSet® 30LE | ServerWorks® ServerSet® GC-LE | ServerWorks® ServerSet® 30LE | SiS650/651 |
| | BIOS | | Award 2 Mb Flash | Award 2 Mb Flash | Award 4 Mb Flash | Award 2 Mb Flash | Award 2 Mb Flash |
| Bus | Front Side Bus | | 400/533 MHz | 133 MHz | 400/533 MHz | 133 MHz | 400/533 MHz |
| | PCI | | 32-bit/33 MHz | 64-bit/66 MHz | 64-bit/66, 100, 133 MHz | 64-bit/66 MHz; 32-bit/33 MHz | 32-bit/33 MHz |
| | PCI Expansion | | 32-bit/33 MHz x1 | 64-bit/66 MHz x1 | 64-bit/66 MHz x3, 64-bit/100 MHz x2 or 64-bit/133 MHz x1 | 64-bit/66 MHz x2 and 32-bit/33 MHz x1 | 32-bit/33 MHz PCI x 2, ISA x 4, AGP 4X x 1 |
| Memory | Technology | | DDR-266 SDRAM | PC-133 registered SDRAM with ECC support | DDR-266 registered SDRAM with ECC support | PC-133 registered SDRAM with ECC support | DDR-266 SDRAM |
| | Max. Capacity | | 3 GB | 4 GB | 16 GB | 4 GB | 3 GB |
| | Socket | | DDR-266 DIMM x3 | DIMM x4 | DIMM x8 | DIMM x4 | DDR-266 DIMM x3 |
| Ethernet | Interface | | 10/100Base-TX | 10/100Base-TX | 10/100/1000Base-T | 10/100Base-TX | 10/100Base-TX |
| | Controller | | Intel® 82559ER x2 | Intel® 82559 x2 | Broadcom BCM5701/3 x2 | Intel® 82559 x2 | Intel® 82559ER x2 |
| | Connector | | RJ-45 x2 | RJ-45 x3 | RJ-45 x2 | RJ-45 x3 | RJ-45 x2 |
| SCSI | Interface | | -- | Ultra 160 | Ultra 320 | Ultra 160 | -- |
| | Controller | | -- | Adaptec 7899W | Adaptec 7902W | Adaptec 7899W | -- |
| | Max. Data Transfer Rate | | -- | 160 MB/sec. | 320 MB/sec. | 160 MB/sec. | -- |
| | Channel | | -- | 2 | 2 | 2 | -- |
| Drive Bay | 3.5" HDD | | 2 (IDE internal) | 3 (SCA-2 SCSI) | 6 (SCA-2 SCSI) | 6 (SCA-2 SCSI) | 3 |
| Management | Indicator | | LED for power, LANs and HDDs | LED for power, fan, temperature, voltage, LANs and HDDs | LED for power, fan, temperature, voltage, LANs and HDDs (w/HDD failure indicator) | LED for power, fan, temperature, voltage, LANs and HDDs (w/HDD failure indicator) | LED for power, LANs and HDDs |
| | System Monitoring | | -- | SNMP MIB-based software (optional) | SNMP MIB-based software (optional) | SNMP MIB-based software (optional) | -- |
| Power Supply | Watt | | 200 W ATX | 300 W ATX | 400 W or 350 W ATX (1+1 redundant, 350 W/each) | 300 W ATX or 300 W (1+1 redundant, 300 W/each) | 300 W or 400 W ATX |
| Dimensions (W x H x D) | mm | | 482 x 44 x 502 | 482 x 44 x 600 | 482 x 88 x 600 | 482 x 88 x 600 | 482 x 177 x 502 |
| | inches | | 19 x 1.7 x 19.76 | 19 x 1.7 x 23.6 | 19 x 3.46 x 23.6 | 19 x 3.46 x 23.6 | 19 x 7 x 19.76 |
| Weight | Kg | | 20.5 | 10 | 14.4 | 14.4 | 20.5 |
| | lb | | 45.1 | 22 | 31.7 | 31.7 | 45.1 |
| | | | 6-2 | 6-4 | 6-6 | 6-8 | 6-10 |



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Storage Subsystems

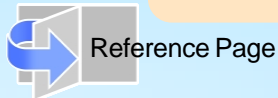


RAID-6100U3



RAID-410-IDE

| Specifications | | Model Name | | RAID-6100U3 | RAID-500U3 | RAID-410-IDE | |
|---------------------------|---------------------------------|---------------------------|------------------------|-----------------------------------|------------------------|-----------------------------------|------------------------|
| Process System | CPU | PowerPC 64-bit RISC | | PowerPC 64-bit RISC | | Intel® i960RN 64-bit | |
| Cache Memory | Max. Capacity | 1 GB (64 MB installed) | | 1 GB (64 MB installed) | | 128 MB (64 MB installed) | |
| Channel | Number of Host or Drive Channel | Host or Drive | | Host or Drive | | Host | Drive |
| | Drive Channel | 4 (extendable up to 8) | | 4 (extendable up to 8) | | 1 | 1 |
| | Interface | SCSI Ultra 160, LVD | | SCSI Ultra 160, LVD | | SCSI Ultra2, LVD | IDE ATA 100 |
| | Max. Data Transfer Rate | 160 MB/sec. | | 160 MB/sec. | | 80 MB/sec. | -- |
| RAID | Level | 0, 1, 0+1, 3, 5, 30, 50 | | 0, 1, 0+1, 3, 5, 30, 50 | | 0, 1, 0+1, 3, 5 | |
| Disk Cartridges Installed | 3.5" HDD | 12 | | 8 | | 8 | |
| | Drive Form Factor | 1" height (low profile) | | 1.6" height | | 1" height (low profile) | |
| | Drive Interface | Ultra160, SCA-2 (80-pins) | | Ultra160, SCA-2 (80-pins) | | IDE ATA 100 | |
| | Watt | 575 W (2+1) redundant | | 300 W (1+1 redundant, 300 W/each) | | 250 W (1+1 redundant, 250 W/each) | |
| | Input | AC 115 V 50 ~ 60 Hz | AC 230 V 50 ~ 60 Hz | AC 115 V 50 ~ 60 Hz | AC 230 V 50 ~ 60 Hz | AC 115 V 50 ~ 60 Hz | AC 230 V 50 ~ 60 Hz |
| Dimensions (W x H x D) | mm | 482 x 176 x 543 | | 482 x 222 x 482 | | 482 x 176 x 449 | |
| | inches | 19 x 6.9 x 21.3 | | 19 x 8.75 x 19 | | 19 x 6.9 x 17.6 | |
| Weight | Kg | 20 | | 24 | | 17 | |
| | lb | 44.1 | | 52.8 | | 37.5 | |
| | | 7-0 | | 7-2 | | 7-4 | |



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RS-100-SF

1U Rackmount, e-Server System with
Intel® Pentium® 4 Processor (Northwood)/
3 GB DDR/Dual HDDs/Dual LAN



Features

- Intel Pentium 4 processor up to 2.4 GHz
- SIS650/651 chipset supports 400/533 MHz FSB up to 3 GB DDR-266 memory
- Dual 10/100 LAN ports
- Integrated VGA with AGP 4X

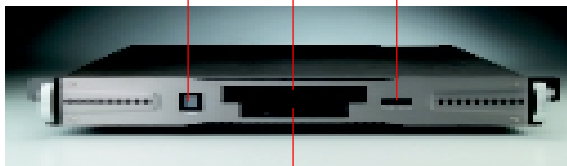
NEW

Introduction

The RS-100-SF series consists of a 1U rackmount e-Server that provides flexible solutions suitable for ISPs, telecommunications, CT, VOD and Industrial automation. Designed to meet stringent data storage requirements, the RS-100-SF series has two IDE HDD drive bays. The servers

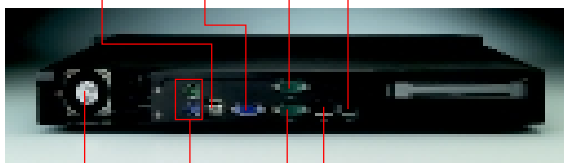
include Advantech's in-house designed server-engineered motherboards. The RS-100-SF series has complete I/O functions, including dual Intel 82559ER Fast Ethernet controllers with support for 10Base-T and 100Base-TX through RJ-45 connectors.

Momentary power switch CD-ROM LED for power, HDDs, LANs



3.5" FDD

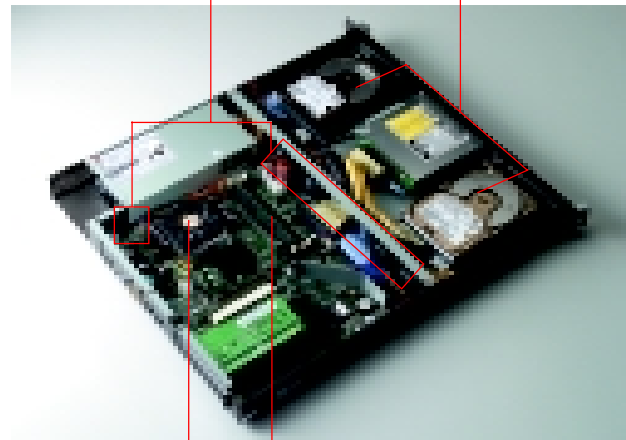
Two USB ports VGA port COM2 LAN 1



Power supply Two PS/2 ports COM 1 LAN 2

Five 15-CFM cooling fans

Two internal IDE 3.5" drive bays



Intel Pentium 4 processor
up to 2.4 GHz

Three DDR-266 DIMM sockets

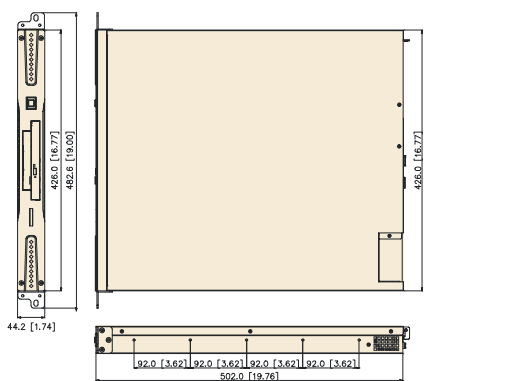
CE UL FCC

Specifications

| | | | |
|------------------|------------------------|---|---|
| Processor System | CPU | Intel® Pentium® 4/Celeron® | Micro PGA 478 package |
| | Max. Speed | 2.4 GHz | 1.8 GHz |
| | L2 Cache | 512 KB | 128 KB |
| | Chipset | SiS650/651 | |
| | BIOS | Award 2 Mb Flash | |
| Bus | Front Side Bus | 400/533 MHz | |
| | PCI | 32-bit/33 MHz | |
| | PCI Expansion | 32-bit/33 MHz x1 | |
| Memory | Technology | DDR-266 SDRAM | |
| | Max. Capacity | 3 GB | |
| | Socket | 184-pin DIMM x 3 | |
| Graphic | Controller | Integrated in SiS650/651 with AGP 4X | |
| | VRAM | Shared with system memory up to 4/8/16/32/64 MB | |
| Ethernet | Interface | 10/100Base-TX | |
| | Controller | Intel 82559ER x2 | |
| | Connector | RJ-45 x2 | |
| Drive Bay | 3.5" HDD | 2 IDE (internal) | |
| | 3.5" FDD | 1 | |
| | CD-ROM | 1 | |
| I/O Interface | USB | 2 | |
| | Serial | 2 (RS-232) | |
| | PS/2 | 2 (mouse x1, keyboard x1) | |
| | CRT | 1 | |
| Cooling | Fan | 5 (15 CFM/each) | |
| Operating System | Compatibility | Windows 98/ME/2000/XP, Linux Red Hat 7.x, FreeBSD 4.x, QNX R6.1 | |
| Management | Indicator | LED for power, LANs and HDDs | |
| Miscellaneous | Control | Momentary power switch | |
| Power Supply | Watt | 200 W ATX | |
| | Input | AC 90 ~ 264 V @ 47 ~ 63 Hz, full range | |
| Environment | Temperature | Operating 0 ~ 40 °C (32 ~ 104 °F) | Non-Operating -20 ~ 70 °C (-68 ~ 158 °F) |
| | Humidity | 5 ~ 85 % @ 40 °C (104 °F) | |
| Physical | Dimensions (W x H x D) | 482 x 44 x 502 mm (19" x 1.7" x 19.76") | |
| | Weight | 20.5 Kg (45.1 lb) | |

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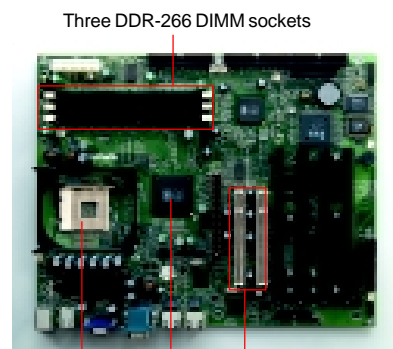
Dimension Diagram



Unit: mm (inch)

Ordering Information

| Part Number | Expansion | HDD | Power Supply | CD-ROM/FDD |
|-------------|------------|----------------|--------------|------------|
| RS-100-SF | 1 PCI slot | 2 IDE HDD bays | 200 W | 1/1 |



Three DDR-266 DIMM sockets

Intel Pentium 4/
Celeron processor
up to 2.4/1.8 GHz

SiS650/651
chipset

2 PCI bus slots

RS-100-RT

1U Rackmount, e-Server System with Dual Intel® Pentium® III Processors 1.4 GHz/4 GB SDRAM/Triple SCSI HDDs/Triple LAN



Features

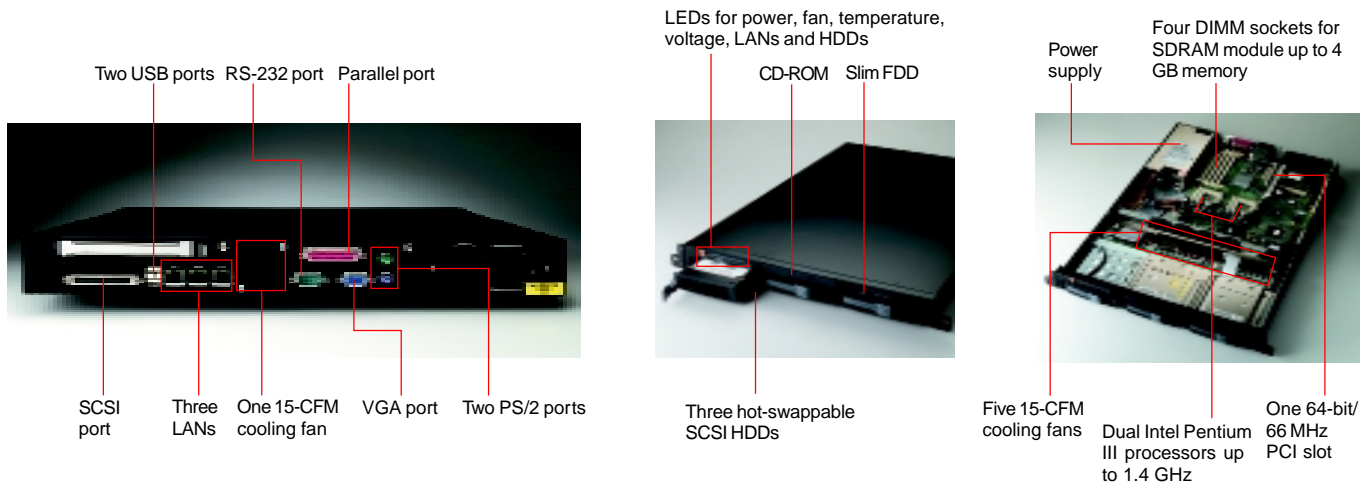
- Dual Intel Pentium III processors up to 1.4 GHz
- ServerWorks ServerSet 30LE chipset supports 133 MHz FSB up to 4 GB memory (depending on OS support)
- Dual Ultra 160 SCSI channels
- Zero-channel hardware RAID option
- Triple 10/100 LAN ports (one port for option)
- One 64-bit/66 MHz PCI slot

NEW

Introduction

The RS-100-RT series consists of a 1U compact, rackmount e-Server that provides flexible solutions suitable for ISPs, telecommunications, VOD and space constrained data centers. Designed to provide high capacity and reliability, the RS-100-RT series has three hot-swappable SCSI drive bays supporting an optional hardware RAID module. The servers include Advantech's in-house designed server-engineered motherboards specially designed for high performance. The RS-100-RT series has complete I/O functions including dual Intel 82559 Fast Ethernet controllers with support

for 10Base-T and 100Base-TX through RJ-45 connectors. The RS-100-RT server can support hardware RAID (0,1,5) and third LAN without occupying any PCI slot. The expansion function can still be kept via PCI slot. The 64bit/66MHz PCI slot supports a proprietary two-port Gigabit LAN card without PCI bridge chip, which saves users' PCI bridge cost. Replaceable cooling fans provide superior ventilation and thermal performance.



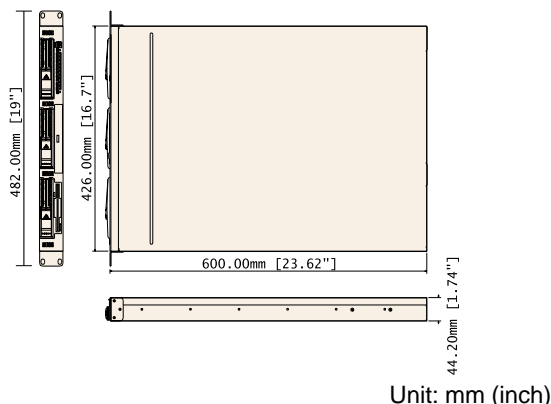
CE UL FCC

Specifications

| | | | |
|------------------|--|---|----------------------------|
| Processor System | CPU | Intel Pentium III x2 | |
| | Max. Speed | 1.4 GHz | |
| | L2 Cache | 512/256 KB | |
| | Chipset | ServerWorks ServerSet 30LE | |
| | BIOS | Award 2 Mb Flash | |
| Bus | Front Side Bus | 133 MHz | |
| | PCI | 64-bit/66 MHz | |
| | PCI Expansion | 64-bit/66 MHz x1 | |
| Memory | Technology | PC-133 registered SDRAM with ECC support | |
| | Max. Capacity | 4 GB | |
| | Socket | 168-pin DIMM x4 | |
| Graphic | Controller | ATI RAGE XL | |
| | VRAM | 4 MB SGRAM | |
| Ethernet | Interface | 10/100Base-TX | |
| | Controller | Intel 82559 x2 | |
| | Connector | RJ-45 x3 | |
| SCSI | Interface | Ultra 160 | |
| | Controller | Adaptec 7899W | |
| | Max. Data Transfer Rate | 160 MB/sec. | |
| | Channel | 2 | |
| RAID Support | Zero-channel RAID (Adaptec Rapter) module (optional) | | |
| Drive Bay | 3.5" HDD | 3 (SCA-2 SCSI) | |
| | Slim FDD | 1 | |
| | CD-ROM | 1 | |
| I/O Interface | USB | 2 | |
| | Serial | 1 (RS-232) | |
| | Parallel | 1 | |
| | PS/2 | 2 (mouse x1, keyboard x1) | |
| | CRT | 1 | |
| Cooling | Fan | 6 (15 CFM/each) | |
| Operating System | Compatibility | Windows NT4.0/2000, Linux Red Hat 7.x, FreeBSD 4.x | |
| Management | Indicator | LED for power, fan, temperature, voltage, LANs and HDDs | |
| | System Monitoring | SNMP MIB-based software (optional) | |
| Miscellaneous | Control | Momentary power switch and alarm mute switch | |
| Power Supply | Watt | 300 W ATX | |
| | Input | AC 90 ~ 264 V @ 47 ~ 63 Hz, full range | |
| Environment | Temperature | Operating | Non-Operating |
| | | 0 ~ 40 °C (32 ~ 104 °F) | -20 ~ 70 °C (-68 ~ 158 °F) |
| | Humidity | 5 ~ 85 % @ 40 °C (104 °F) | 5 ~ 95 % |
| Physical | Dimensions (W x H x D) | 482 x 44 x 600 mm (19" x 1.7" x 23.6") | |
| | Weight | 10 Kg (22 lb) | |

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Dimension Diagram



Ordering Information

| Part Number | Dual SCSI Channels | Power Supply | CD-ROM |
|-----------------|---|--------------|--------|
| RS-100-RT-S3-S3 | Internal SCSI channel can support 3 SCSI HDDs, external SCSI for backup and storage expansion | 300 W | 1 |

Accessory Options

| Part Number | Descriptions |
|-------------|--|
| 9686000073 | ZCR HW RAID module |
| 96960210A0 | LAN module for 3 rd LAN port |
| 9689000424 | Slider rail |
| SNMP 100L | SNMP MIB-based software for Linux OS |
| SNMP 100N | SNMP MIB-based software for Windows NT4.0/2000 |
| 9696022341 | CPU terminator for RS-100/200-RT |
| 96961202L0 | 2-port Gigabit LAN card |

RS-200-RP

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



Features

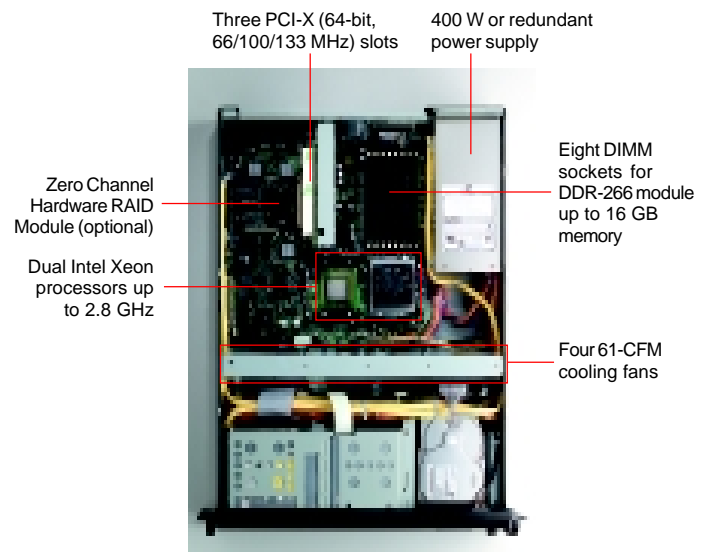
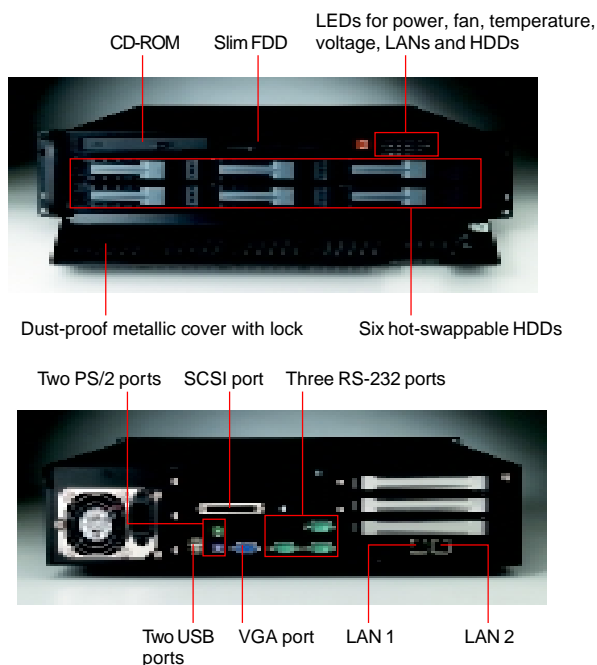
- Compact 2U sized rackmount server, front cover with key lock
- Dual Intel Xeon processors 1.8 ~ 2.8 GHz (Prestonia)
- ServerWorks ServerSet GC-LE chipset, supports 400/533 MHz FSB
- Eight DDR DIMM sockets for DDR-266 module with ECC and register, up to 16 GB (dependent on OS support)
- Dual channel Ultra 320 SCSI controllers, each channel data transfers rate up to 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. The RS-200-RP, 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 RS-200-RP 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.

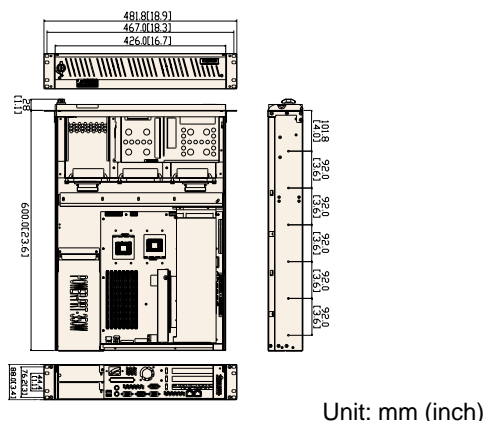


CE UL FCC

Specifications

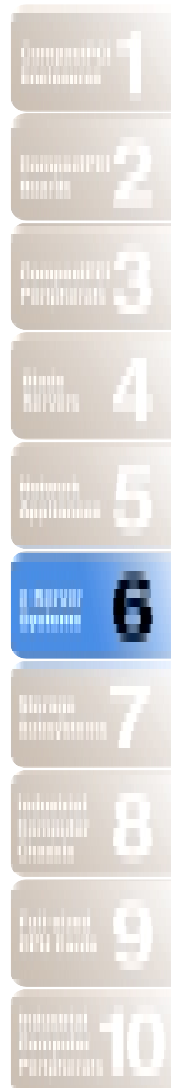
| | | | |
|------------------|-------------------------------------|---|--|
| Processor System | CPU | Intel Xeon x 2 | |
| | Max. Speed | 1.8 ~ 2.8 GHz | |
| | L2 Cache | 512 KB | |
| | Chipset | ServerWorks ServerSet GC-LE | |
| | BIOS | Award 4 Mb Flash | |
| Bus | Front Side Bus | 400/533 MHz | |
| | PCI | 64-bit/66, 100, 133 MHz | |
| | PCI Expansion | 64-bit/66 MHz x3, 64-bit/100 MHz x2 or 64-bit/33 MHz x1 | |
| Memory | Technology | DDR-266 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 | |
| | Controller | Adaptec 7902W | |
| | Max. Data Transfer Rate | 320 MB/sec. | |
| RAID Support | Channel | 2 | |
| | 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 | |
| | 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 | 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 | 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 % | |
| | Dimensions (W x H x D) | 482 x 88 x 600 mm (19" x 3.46" x 23.6") | |
| Physical | Weight | 14.4 Kg (31.7 lb) | |

Dimension Diagram



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-RT

2U Rackmount, e-Server with Dual Intel® Pentium® III Processors 1.4 GHz/
4 GB SDRAM/Six SCSI HDDs/Triple LAN



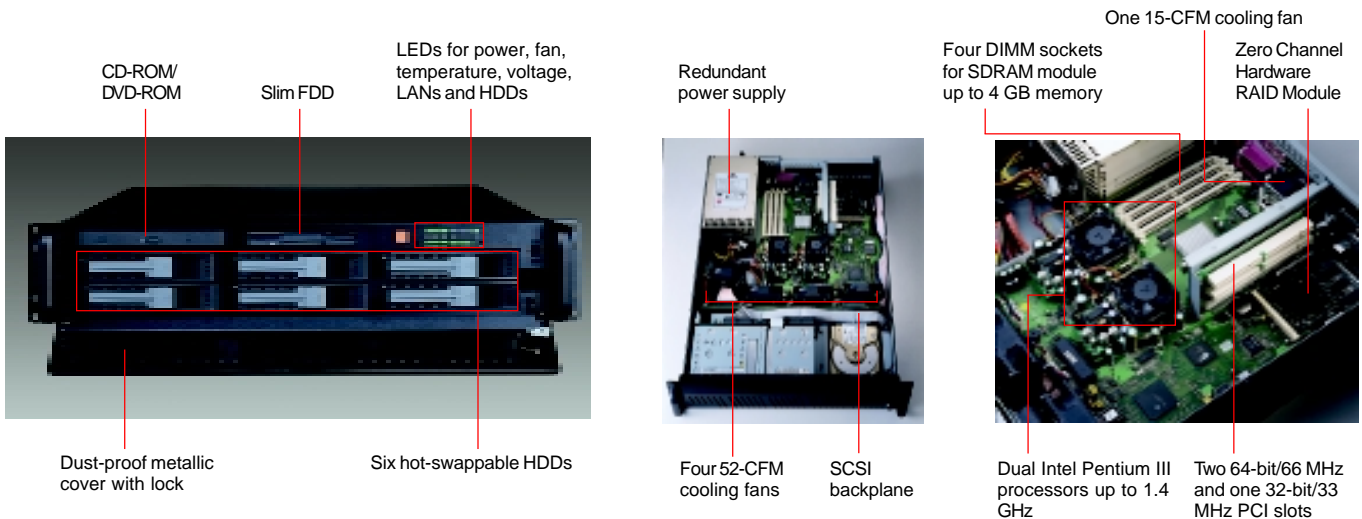
Features

- Dual Intel Pentium III processors up to 1.4 GHz
- ServerWorks ServerSet 30LE chipset supports 133 MHz FSB up to 4 GB memory (depends on OS support)
- Dual Ultra 160 SCSI channels
- Zero-channel hardware RAID (RAID 0, 1, 5)
- Triple 10/100 LAN ports (one port for option)
- Two 64-bit/66 MHz and one 32-bit/33 MHz PCI slots

Introduction

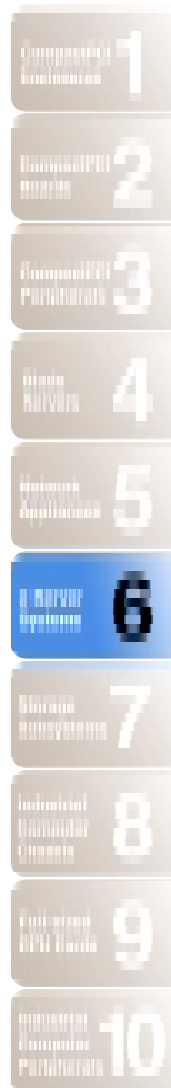
The RS-200-RT series consists of a 2U compact, rackmount e-Server that provides flexible solutions suitable for ISPs, telecommunications, VOD and space constrained data centers. Designed to provide high capacity and reliability, the RS-200-RT series has six hot-swappable SCSI drive bays with hardware RAID module. The servers include Advantech's in-house designed server-engineered motherboards specially designed

for high performance. The RS-200-RT series has complete I/O functions including dual Intel 82559 Fast Ethernet controllers with support for 10Base-T and 100Base-TX through RJ-45 connectors. The cooling fans provide superior ventilation and thermal performance.

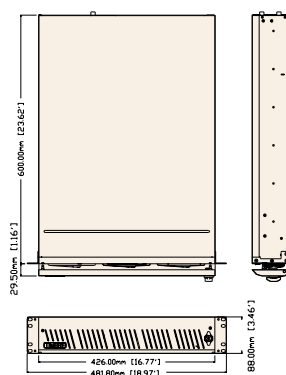


Specifications

| | | | |
|------------------|---|---|--|
| Processor System | CPU | Intel Pentium III x2 | |
| | Max. Speed | 1.4 GHz | |
| | L2 Cache | 512/256 KB | |
| | Chipset | ServerWorks ServerSet 30LE | |
| | BIOS | Award 2 Mb Flash | |
| Bus | Front Side Bus | 133 MHz | |
| | PCI | 64-bit/66 MHz; 32-bit/33 MHz | |
| | PCI Expansion | 64-bit/66 MHz x2 and 32-bit/33 MHz x1 | |
| Memory | Technology | PC-133 registered SDRAM with ECC support | |
| | Max. Capacity | 4 GB | |
| | Socket | 168-pin DIMM x4 | |
| Graphic | Controller | ATI RAGE XL | |
| | VRAM | 4 MB SGRAM | |
| Ethernet | Interface | 10/100Base-TX | |
| | Controller | Intel 82559 x2 | |
| | Connector | RJ-45 x3 | |
| SCSI | Interface | Ultra 160 | |
| | Controller | Adaptec 7899W | |
| | Max. Data Transfer Rate | 160 MB/sec. | |
| | Channel | 2 | |
| RAID Support | Zero-channel RAID (Adaptec Rapter) module | | |
| Drive Bay | 3.5" HDD | 6 (SCA-2 SCSI) | |
| | Slim FDD | 1 | |
| | CD-ROM | 1 | |
| I/O Interface | USB | 2 | |
| | Serial | 1 (RS-232) | |
| | Parallel | 1 | |
| | PS/2 | 2 (mouse x1, keyboard x1) | |
| | CRT | 1 | |
| Cooling | Fan | 5 (223 CFM total) | |
| Operating System | Compatibility | Windows NT4.0/2000, Red Hat Linux 7.x, FreeBSD 4.x | |
| Management | Indicator | LED for power, fan, temperature, voltage, LANs and HDDs (w/HDD failure indicator) | |
| | System Monitoring | SNMP MIB-based software (optional) | |
| Miscellaneous | Control | Momentary power switch and alarm mute switch | |
| Power Supply | Watt | 300 W ATX/300 W (1+1 redundant, 300 W/each) | |
| | Input | AC 90 ~ 264 V @ 47 ~ 63 Hz, full range | |
| Environment | Temperature | Operating 0 ~ 40 °C (32 ~ 104 °F) | Non-Operating -20 ~ 75 °C (-4 ~ 167 °F) |
| | Humidity | 5 ~ 85 % @ 40 °C (104 °F) | |
| | Dimensions (W x H x D) | 482 x 88 x 600 mm (19" x 3.46" x 23.6") | |
| Physical | Weight | 14.4 Kg (31.7 lb) | |



Dimension Diagram



Unit: mm (inch)

Ordering Information

| Part Number | Dual SCSI Channels | Power Supply |
|-----------------|---|-----------------------------------|
| RS-200-RT-R3-R3 | Each SCSI channel can support 3 SCSI HDDs | 300 W (1+1 redundant, 300 W/each) |
| RS-200-RT-R3-S6 | Internal SCSI channel can support 6 SCSI HDDs, external SCSI for backup and storage expansion | 300 W (1+1 redundant, 300 W/each) |
| RS-200-RT-S3-S6 | Internal SCSI channel can support 6 SCSI HDDs, external SCSI for backup and storage expansion | 300 W |

Accessory Options

| Part Number | Descriptions |
|-------------|--|
| 968600073 | ZCR HW RAID module |
| 96960210A0 | LAN module for 3 rd LAN port |
| 9689000424 | Slider rail |
| SNMP 100L | SNMP MIB-based software for Linux OS |
| SNMP 100N | SNMP MIB-based software for Windows NT4.0/2000 |
| 9696022341 | CPU terminal for RS-100/200-RT |

RS-400-SF

4U Rackmount, e-Server System with
Intel® Pentium® 4 Processor (Northwood)/
3 GB DDR/HDD/Dual LAN



Features

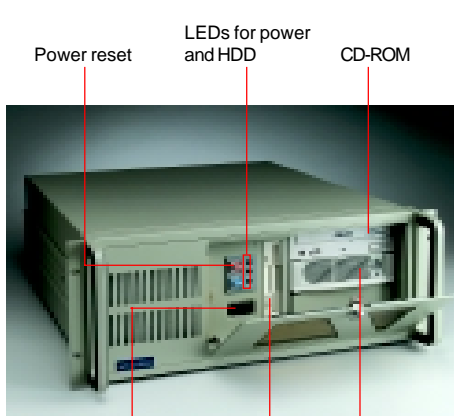
- Intel Pentium 4 processor up to 2.4 GHz
- SiS650/651 chipset supports 400/533 MHz FSB up to 3 GB DDR-266 memory
- Dual 10/100 LAN ports
- Integrated VGA with AGP 4X
- 1 AGP 2X/4X slot
- 2 PCI slots, 4 ISA slots and 1 CNR slot

NEW

Introduction

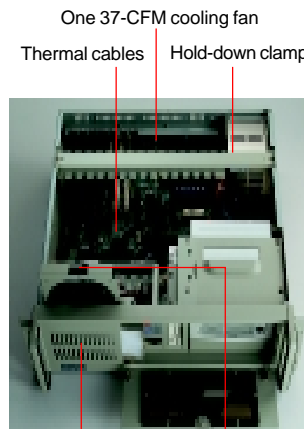
The RS-400-SF series consists of a 4U rackmount e-Server that provides flexible solutions suitable for ISPs, telecommunications, CT, VOD and Industrial automation. Designed to meet stringent data storage requirements, the RS-400-SF series has three IDE HDD drive space. The servers include Advantech's in-house designed server-engineered motherboards specially designed for high performance. The RS-400-SF

series has complete I/O functions including dual Intel 82559ER Fast Ethernet controllers with support for 10Base-T and 100Base-TX through RJ-45 connectors. It is the first motherboard with Pentium 4 and ISA bus support. The RS-400-SF server owns 1 AGP 4X slot, 2 PCI slots, 4 ISA slots and 1 CNR slot.



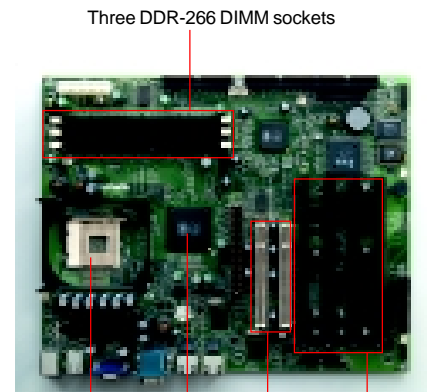
Power reset
LEDs for power and HDD
CD-ROM

Power switch
3.5" FDD
One swappable IDE HDD cartridge



One 37-CFM cooling fan
Thermal cables
Hold-down clamp

Easily replaceable fan filter
One 86-CFM hot-swap cooling fan



Three DDR-266 DIMM sockets

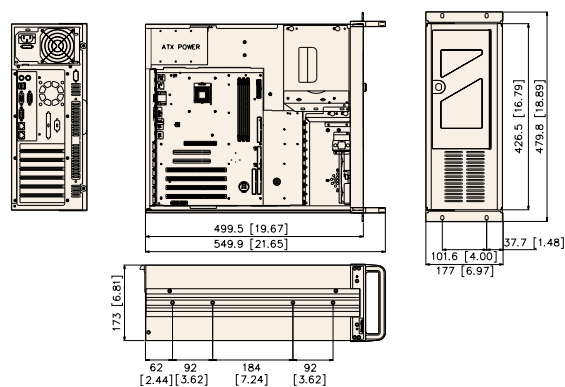
Intel Pentium 4/
Celeron processor
up to 2.4/1.8 GHz
SiS650/651
chipset
2 PCI bus slots
4 ISA bus slots

Specifications

| | | | |
|------------------|------------------------|---|-----------------------|
| Processor System | CPU | Intel® Pentium® 4/Celeron® | Micro PGA 478 package |
| | Max. Speed | 2.4 GHz | 1.8 GHz |
| | L2 Cache | 512 KB | 128 KB |
| | Chipset | SiS650/651 | |
| | BIOS | Award 2 Mb Flash | |
| Bus | Front Side Bus | 400/533 MHz | |
| | PCI | 32-bit/33 MHz | |
| Memory | Technology | DDR-266 SDRAM | |
| | Max. Capacity | 3 GB | |
| | Socket | 184-pin DIMM x 3 | |
| Graphic | Controller | Integrated in SiS650/651 with AGP 4X | |
| | VRAM | Shares with system memory up to 4/8/16/32/64 MB | |
| Ethernet | Interface | 10/100Base-TX | |
| | Controller | Intel 82559ER x2 | |
| | Connector | RJ-45 x2 | |
| Expansion | AGP | 1 AGP 4X slot | |
| | PCI | 2 PCI bus slots | |
| | ISA | 4 ISA bus slots* | |
| | CNR | 1 CNR slot** | |
| Drive Bay | 3.5" HDD | 1 swappable IDE HDD cartridge and 2 fixed HDD space | |
| | 3.5" FDD | 1 | |
| | CD-ROM | 1 (52 X speed) | |
| I/O Interface | USB | 2 | |
| | Serial | 2 (RS-232) | |
| | Parallel | 1 (accessory) | |
| | PS/2 | 2 (mouse x1, keyboard x1) | |
| | CRT | 1 | |
| Cooling | Fan | 2 (86 CFM & 37 CFM) | |
| Operating System | Compatibility | Windows 98/ME/2000/XP, Linux Red Hat 7.x, FreeBSD 4.x, QNX R6.1 | |
| Management | Indicator | LED for power, LANs and HDDs | |
| Miscellaneous | Control | Momentary power switch | |
| Power Supply | Watt | 300 W or 400 W ATX | |
| | Input | AC 90 - 264 V @ 47 - 63 Hz, full range | |
| Environment | Temperature | Operating: 0 - 50 °C (32 - 122 °F) Non-Operating: -20 - 70 °C (-68 - 158 °F) | |
| | Humidity | 5 - 85 % @ 40 °C (104 °F) 5 - 95 % | |
| Physical | Dimensions (W x H x D) | 482 x 177 x 502 mm (19" x 7" x 19.76") | |
| | Weight | 20.5 Kg (45.1 lb) | |

Note: * No DMA mode support
** Supporting modem only

Dimension Diagram



Ordering Information

| Part Number | Expansion | HDD | Power Supply | CD-ROM/FDD |
|--------------|---|------------------|--------------|------------|
| RS-400-SF | 2 PCI slots, 4 ISA slots, 1 AGP 4X slot, 1 CNR slot | 3 IDE HDD spaces | 300 W | 1/1 |
| RS-400-SF-S4 | 2 PCI slots, 4 ISA slots, 1 AGP 4X slot, 1 CNR slot | 3 IDE HDD spaces | 400 W | 1/1 |

