S-1200 R4

1U Rack Mount SATA System

UNICOM Engineering's S-1200 R4 is a rack mount appliance platform that brings entry-level server-class performance in an appliance solution. Applications requiring up to 2 internal enterprise class SATA drive benefit from the latest in Intel Silvermont low power system on chip (SoC) Microarchitecture. The S-1200 R4 supports motherboards with a single Rangeley 8-Core or 2-Core SoC and up to 32 GB DDR3 SDRAM, targeting network and communication infrastructure. This combination of affordable performance allows UNICOM Engineering customers to build optimum solutions and target price sensitive applications. Moreover, the S-1200 R4 supports integrated bypass LAN ports and a single PCIe expansion card, enabling a more complete appliance solution.

Features and Benefits

Server Performance at an Attractive Price

- Low cost for 1U rack mount server solutions
- Latest in Intel technology to ensure maximum price/performance effectiveness
- UNICOM Engineering branding options allow for strong product/corporate branding, including bezel branding, shipping container branding and documentation kits

The Right Platform for Your Application

- Enterprise class SATA drive support to ensure quality and reliability
- Integrated bypass LAN ports Ideal for security and network applications

AT A GLANCE

- Single 8-core / 2-core Intel® Rangeley System-on Chip C2000 Series
- 32 GB SDRAM (max)
- Up to 2 SATA drive (fixed)
- Up to 7 GbE LAN ports with 3 pairs bypass
- IPMI with shared LAN
- Single PCIe x8 slot (x4)
- Single AC PSU

S-1200 R4
technical specifications

S-1200 R4 Rear View

Form Factor
1U rack mount

Dimensions (HxWxD)
1.70" (43.2 mm) x 17.2" (437 mm) x 11.3" (287 mm)

Processor(s)
- Supports Intel Rangeley SoC C2000 Series
- C2758, 8-core, 2.4 GHz, 20W
- C2358, 2-core, 1.7 GHz, 7W

Memory
- Up to 4 DIMMs slots, DDR3 up to 1600 MT/s
- C2758 up to 32 GB (Max)
- C2358 up to 16 GB (Max)
- DIMM sizes: 4 GB, 8 GB

Storage / Expansion
- Support optional drive / PCI configurations
- 2x SATA3 (6 Gbps) ports, 2x SATA2 (3 Gbps) ports
- 1x 3.5" internal drive bay
- *OR* up to 2x 2.5" (with single retention bracket)
- 1x full-height / half-length PCI expansion slot (optional)

PCI-Express
1x PCIe 2.0 x8 slot (x4)
(riser card required)

Optional Add-in PCIe Cards
- Dual-port 10 GbE fiber
- RAID controller

Integrated External I/O
- DB-15 Video port (rear)
- 2 COM Ports (1 by rear) RJ-45
- 7 USB 2.0 ports (4 by rear)
- 7 RJ-45 1 GbE LAN ports with 3 pairs bypass (rear) … C2758 / C2358
- 5 RJ-45 1GbE LAN ports with 2 pairs bypass (rear) … C2358

Server Management
- Support for Intelligent Platform Management Interface v.2.0
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
- Aspeed AST 2400 BMC
- IPMI with shared LAN

Front Control Panel
- Power On/Off button
- System reset button
- Power LED
- Hard drive activity LED
- 2x network activity LEDs (ports 6 and 7)
- System overheat LED

System Cooling
- 2x 8500 RPM cooling fan
- 1x optional fan for hight power PCIe cards

Power
- 200W low noise AC-DC power supply with power factor control (PFC)
- 100 - 240V, 50-60 Hz, 2.6 amp max

Regulatory Approval
- FCC Class A, VCCI, CE, NRTL, RoHS
- Other certifications per specific requirements

Environment
- Operating Temperature: 5° to 35°C (41° to 95°F)
- Non-Operating Temperature: -40° to 60°C (-40° to 140°F)
- Operating Humidity: 8%-90% (non-condensing)
- Non-Operating Humidity: 5%-99% (non-condensing)

Warranty
- Standard two-year limited warranty, return to factory.
- Optional extended warranty and advance replacement service.

NOTE: These specifications should be viewed as preliminary and final specifications may vary.

Support and Maintenance Services

UNICOM Engineering offers a variety of support and maintenance service programs to ensure high availability, rapid response, effective troubleshooting, fast parts replacement and 24-hour support.

Please visit www.unicomengineering.com/supportservices for more information.

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