

SV1104S-2V4-1

1U Head Node and Cache Server

Tackle Power Workloads with Steadfast Performance



System Benefits

In a compact 1U form factor engineered for configuration and application flexibility, this highly reliable server delivers remarkable performance and versatile expandability. The server is ideal for virtualization and for applications such as caching and load balancing, as well as for high-performance server-based computing.

Remarkable Performance

Featuring flexible storage capacity, processing power and fast DDR4 memory, this server maximizes datacenter performance and efficiency. Fast DDR4 memory and the increased processing cycles and threads of the Intel® Xeon® processor family means that you can achieve better response time for more applications running simultaneously.

Versatile Expandability

The server is configured to expand with whatever your application needs. It offers up to four 3.5" SAS/SATA drives. Scalability up to 1024GB of 2133MHz L/RDIMMs also enables you to increase server memory as your application demands grow. Two PCIe add-in card slots and an OCP mezzanine allow for a wide array of network connectivity into the server.

Features

- Compact, space-saving design
- Hot swappable SAS/SATA drives
- Hot swappable and redundant power supply units
- Scalable for high-performance or low cost savings
- High reliability
- Increase productivity

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Specifications

| Chassis | |
|-------------------------|--|
| Form Factor | 1U EIA 310-D Rackmount |
| Model | SV1104S-2V4-1 |
| Dimensions | |
| W x H x L | <ul style="list-style-type: none"> 17.2" x 1.71" x 28" 436mm x 43mm x 711mm |
| Weight | 22 lbs barebone system |
| Processor/Cache | |
| CPU | <ul style="list-style-type: none"> 2x Intel® Xeon® E5-2600 v3/v4 up to 135W Dual Socket R3 (FCLGA2011-3) |
| Cores/Cache | Up to 14 cores/35MB cache |
| System Memory | |
| Memory Capacity | <ul style="list-style-type: none"> Up to 16x DDR4 DIMM slots Up to 2133MHz L/RDIMM |
| Memory Type | Up to 2133 ECC DDR4 SDRAM 72-bit |
| DIMM Size | <ul style="list-style-type: none"> RDIMM: 32GB, 16GB, 8GB, 4GB LRDIMM: 64GB, 32GB |
| On-Board Devices | |
| Chipset | Intel® C612 Chipset |
| BMC | IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |
| Network Controllers | <ul style="list-style-type: none"> Dual port 10GbE SFP+ Optional Dual 1GbE, 10GbE, 25GbE, 40GbE OCP |
| Additional Input/Output | |
| USB | 2x USB 3.0 (rear), 1x USB 2.0 (front) |
| Video | 1 external VGA port |
| Serial Port/Header | 1 external DB-9 serial port |

| Front Panel | |
|--|---|
| Buttons | <ul style="list-style-type: none"> Power Off/On System Reset |
| LEDs | <ul style="list-style-type: none"> Power Status Identification Disk/NIC Activity System Health |
| Expansion Slots | |
| PCIe | <ul style="list-style-type: none"> 2x PCIe 3.0 x8 add-on card 1x PCIe FHHL 1x PCIe HHHL 1x OCP x8 Network Mezz 1x OCP x8 Mezz for RAID |
| Drive Options | |
| Hot swap | Up to 4x 3.5" SAS/SATA |
| System Cooling | |
| Fans | 5 +1 Redundant fans |
| Power Supply | |
| 650W 1+1 Redundant, hot-swappable PSUs | |
| Total Output Power | 650W |
| Input | 100-240Vac/9A/50-60Hz |
| Operating Environment/Compliance | |
| Operating Temperature | 10°C to 35°C |
| Non-Operating Temperature | -40°C to 65°C |
| Operating Altitude | 0 to 10,000 ft. |
| Non-Operating Altitude | 0 to 40,000 ft. |
| Compliance/Regulatory | RoHS, FCC, UL, CE |

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