

# R183-S91-AAV2

## 1U DP 8-Bay SATA/SAS Rack Server



### Features

- 4th Gen Intel® Xeon® Scalable Processors
- Intel® Xeon® CPU Max Series
- Dual processors, LGA4677
- 8-Channel RDIMM DDR5 per processor, 32 x DIMMs
- Supports Intel® Optane™ Persistent Memory 300 series
- Dual ROM Architecture supported
- 2 x 1Gb/s LAN port (Intel® I350-AM2)
- 1 x Dedicated management port
- 4 x 3.5/2.5" SATA hot-swappable bays
- 4 x 2.5" 9.5mm SATA hot-swappable bays
- 2 x PCIe Gen5 x16 expansion slots
- 2 x OCP 3.0 Gen5 x16 mezzanine slots
- Dual 1600W 80 PLUS Titanium redundant power supply

### Specification

|                        |  |                             |  |
|------------------------|--|-----------------------------|--|
| <b>Dimensions</b>      | 1U (W438 x H43.5 x D815 mm)  | <b>Rear I/O</b>             | 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN  |
| <b>Motherboard</b>     | MS93-FS0   | <b>Backplane I/O</b>        | PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s   |
| <b>CPU</b>             | 4th Generation Intel® Xeon® Scalable Processors<br>Intel® Xeon® CPU Max Series<br>Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor,<br>Intel® Xeon® Silver Processor<br>CPU TDP up to 350W | <b>TPM</b>                  | 1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)  |
| <b>Socket</b>          | 2 x LGA 4677 (Socket E)  | <b>Power Supply</b>         | Dual 1600W 80 PLUS Titanium redundant power supply<br>AC Input: 100-240V   |
| <b>Chipset</b>         | Intel® C741 Chipset  | <b>System Management</b>    | Aspeed® AST2600 management controller<br>GIGABYTE Management Console (AMI MegaRAC SP-X)  |
| <b>Memory</b>          | 8-Channel DDR5 memory per processor, 32 x DIMM slots<br>RDIMM modules up to 128GB supported<br>3DS RDIMM modules up to 256GB supported<br>Memory speed: Up to 4800 MHz (1DPC), 4400 MHz (2DPC)         | <b>OS Compatibility</b>     | Windows Server 2019 / 2011<br>RHEL 8.4 / 8.5 / 8.6 / 8.7 / 9.0 / 9.1 ( x64)<br>SLES 15 SP3 / 15 SP4 ( x64)<br>Ubuntu 22.04 LTS / 22.04.1 LTS (x64)<br>VMware ESXi 7.0 Update 3i / 8.0  |
| <b>LAN</b>             | 2 x 1Gb/s LAN ports (1 x Intel® I350-AM2)<br>Supported NCSI function<br>1 x 10/100/1000 management LAN   | <b>System Fans</b>          | 8 x 40x40x56mm (32,000rpm)   |
| <b>Video</b>           | Integrated in Aspeed AST2600<br>2D Video Graphic Adapter with PCIe bus interface<br>1920x1200@60Hz 32bpp, DDR4 SDRAM   | <b>Operating Properties</b> | Operating temperature: 10°C to 35°C<br>Operating humidity: 8-80% (non-condensing)<br>Non-operating temperature: -40°C to 60°C<br>Non-operating humidity: 20%-95% (non-condensing)  |
| <b>Storage</b>         | 4 x 3.5/2.5" SATA/SAS hot-swappable bays<br>4 x 2.5" 9.5mm SATA/SAS hot-swappable bays<br>SAS card is required for SAS devices support   | <b>Packaging Content</b>    | 1 x R183-S91, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable,<br>6 x Carrier clips, 1 x Rail kit  |
| <b>RAID</b>            | Intel® SATA RAID 0/1/10/5  | <b>Reference Numbers</b>    | Barebone package: 6NR183S91DR000AAV2*<br>- Motherboard: 9AS93FS0UR-000<br>- Rail kit: 25HB2-3A0206-K0R<br>- CPU heatsink: 25ST1-4Z3200-S7R<br>- Front panel board: 9CFP1013NR-00<br>- Back plane board_2.5": 9CBP1045NR-00<br>- Back plane board_3.5": 9CBP1047NR-00<br>- Mini-DP to D-Sub cable: 25CRN-200801-K1R<br>- Power supply: 25EP0-21600D-G1S |
| <b>Expansion Slots</b> | 2 x PCIe Gen5 x16 FHHL slots<br>2 x OCP 3.0 Gen5 x16 slots - Supporte NCSI function  |                             |  |
| <b>Front I/O</b>       | 1 x USB 3.2 Gen1   |                             |  |



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