

R152-P31 (Rev. 100)

Rack Arm Server - Ampere® Altra® Max - 1U UP 4-Bay Gen3 NVMe + 6-Bay SATA



Key Features

- Hardware-level root of trust support
- Single Ampere® Altra® Max or Altra® Processors
- 8-Channel DDR4 RDIMM/LRDIMM, 16 x DIMMs
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 4 x 2.5" Gen3 NVMe hot-swap bays
- 6 x 2.5" SATA hot-swap bays
- 2 x M.2 slots with PCIe Gen4 x4 interface
- 1 x FHHL PCIe Gen4 x16 slot
- 1+1 650W 80 PLUS Platinum redundant power supplies

Applications

Networks Server...

Specification

Dimensions	1U (W438 x H43.5 x D660 mm)	PCIe Expansion Slots	1 x FHHL PCIe Gen4 x16
Motherboard	MP32-AR1	I/O Ports	Front: 1 x USB 3.0 Rear: 3 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	Ampere® Altra® Max Processor Ampere® Altra® Processor Single processor, TDP 250W	Backplane Board	PCIe Gen3 x4 or SATA 6Gb/s
Socket	1 x LGA 4926	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Chipset	System on Chip	Power Supply	1+1 650W 80 PLUS Platinum redundant power supplies AC Input: 100-240V
Memory	8-Channel DDR4 RDIMM/LRDIMM, 16 x DIMMs Up to 3200 MT/s	System Management	ASPEED® AST2500 Baseboard Management Controller GIGABYTE Management Console web interface
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2) 1 x 10/100/1000 Mbps Management LAN	System Fans	5 x 40x40x56mm
Video	Integrated in ASPEED® AST2500 - 1 x VGA port	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Storage	Front hot-swap: 4 x 2.5" Gen3 NVMe 6 x 2.5" SATA, from CSTO180 (ASM1164) SATA HBA Internal M.2: 2 x M.2 (2242/2260/2280/22110), PCIe Gen4 x4	Packaging Content	1 x R152-P31 1 x CPU heatsink 1 x Rail kit
RAID	N/A	Ordering Part Numbers	6NR152P31MR-00-1*



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