

R272-P3A-PB

ARM Server - 2U UP 16-Bay Rack Server



Features

- Single socket Ampere® Altra® / AltraMAX® Processor
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 16 x 2.5" NVME hot-swappable HDD/SSD bays
- 2 x Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 2 x low profile PCIe Gen4 expansion slots available
- Aspeed® AST2500 management controller
- 1200W 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W438 x H87.5 x D660 mm)	Backplane I/O	Backplane P/N: Speed and bandwidth:
Motherboard	MP32-AR1	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	Ampere® Altra® / AltraMAX® Processor Single processor, 7nm technology, LGA4926 socket Up to 128-core per processor	Power Supply	Dual 1200W 80 PLUS Platinum redundant power supply AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 16 x DIMM slots RDIMM/LRDIMM modules up to 256GB supported Up to 4TB of memory capacity supported per processor Memory speed: Up to 3200 MHz	OS Compatibility	RHEL 8.3 (ARM64) CentOS 8.3-2011 (ARM64) SLES 15 SP2 (ARM64) Ubuntu 18.04.5-server / 20.04.1-legacy-server (ARM64) Fedora Server 33-1.2 (ARM64) FreeBSD 13.0 current (ARM64) Oracle Linux R8 U2 (ARM64) Debian 10.9 (Buster) (ARM64)
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	System Fans	4 x 80x80x38mm (16,300rpm)
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Operating Properties	Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Storage	16x 2.5" NVME hot-swappable HDD/SSD bays CVN0124 OCP and CNV3122 (4) NVME cards	Packaging Content	1 x R272-P30 system 1 x CPU heatsink 1 x Rail kit
RAID	N/A (SW RAID)	Reference Numbers	Barebone package: R272-P3A-PB - Motherboard: MP32-AR1 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-353109-T1R - OCP & PCI NVME cards: CVN0124 / DNV3122 - Power supply:
Expansion Slots	2 x PCIe x16 slots (4.0 x16), Low-profile 4 x PCIe x8 slots (4.0 x8), Low-profile, occupied by CNV3122 cards 1 x OCP 2.0 mezzanine slot, occupied by CNV0124 card 2 x M.2 slots (4.0 x4)		
Front I/O	2 x USB 3.0		
Rear I/O	3 x USB 3.0, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN		