

R282-P92

ARM Server - 2U DP 12-Bay



AMPERE®



Features

- Supports up to 2 x double slot GPU cards
- Dual Ampere® Altra® Max Processors
- 8-Channel RDIMM/LRDIMM DDR4, 32 x DIMMs
- Dual ROM Architecture supported
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 6 x 3.5"/2.5" Gen4 NVMe hot-swap SSD bays in front side
- 6 x 3.5"/2.5" SATA hot-swap HDD/SSD bays in front side
- 1 x Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 4 x full-height PCIe Gen4 x16 expansion slots
- 4 x low profile PCIe Gen4 x8 expansion slots
- 2000W 80 PLUS Platinum redundant power supply

Specification

Dimensions	2U (W438 x H87 x D730 mm)	Backplane I/O	Front side_CBP20C5: 12 x ports
Motherboard	MP92-FS0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	Ampere® Altra® Max Processor Dual processors, 7nm technology, LGA4926 sockets Up to 128-core per processor, TDP 250W	Power Supply	Dual 2000W 80 PLUS Platinum redundant power supply AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 32 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 NOTE: Only supports configurations with 1, 2, 4, 6, 8, 12, or 16 DIMMs	OS Compatibility	RHEL 8.3 / 8.5 (aarch64) or later SLES 15 SP2 / 15 SP3 (aarch64) or later Ubuntu 18.04.5 LTS / 20.04.1 LTS / 22.04 LTS (aarch64) or later Fedora Server 33-1.2 / 35-1.2 (aarch64) or later OracleLinux R8 U2 / R8 U5 Debian 10.9 (Buster) / 11.1
LAN	2 x 1GbE LAN ports (Intel® I350-AM2) - NCSI function supported 1 x 10/100/1000 management LAN	System Fans	4 x 80x80x38mm (16,300rpm)
Video	Integrated in Aspeed® AST2600 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	6 x 3.5"/2.5" Gen4 NVMe hot-swappable SSD bays 6 x 3.5"/2.5" SATA hot-swappable HDD/SSD bays	Packaging Content	1 x R282-P92 system 2 x CPU heatsinks 1 x Rail kit
Expansion Slots	2 x PCIe 4.0 x16 FHFL slots 2 x PCIe 4.0 x16 FHHL slots 4 x PCIe 4.0 x8 LP slots 2 x OCP 3.0 mezzanine slots (PCIe 4.0 x16) 1 x M.2 slot (PCIe 4.0 x4), supports 2242/2260/2280/22110 cards	Reference Numbers	Barebone package: 6NR282P92DR-00 - Motherboard: 9MP92FS0NR-00 - Rail kit: 25HB2-3A0206-K0R - CPU heatsink: 25ST1-45320B-A3R - Back plane board_12-port: 9CBP20C5NR-00 - Power supply module: 25EP0-22000A-L0S
Front I/O	2 x USB 3.2 Gen1		
Rear I/O	2 x USB 3.2 Gen1, 1 x mini-DP, 2 x RJ45, 1 x MLAN		



Learn more about GIGABYTE server solutions, visit www.gigabyte.com/Enterprise

* All specifications are subject to change without notice. Please visit our website for the latest information.

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