

R282-P91 (Rev. 100)

Rack Arm Server - Ampere® Altra® Max - 2U DP 24+4-Bay Gen4 NVMe/SATA



Key Features

- Dual Ampere® Altra® Max Processors
- 8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 24 x 2.5" Gen4 NVMe hot-swap bays
- 4 x 2.5" SATA hot-swap bays on the rear side
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 4 x FHHL PCIe Gen4 x16 slots
- 1+1 1600W 80 PLUS Platinum redundant power supplies (-100)
- 1+1 1600W 80 PLUS Titanium redundant power supplies (-1T0)

Applications

Networks Server...

Specification

Dimensions	2U (W438 x H87 x D815 mm)	I/O Ports	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
Motherboard	MP92-FS0	Backplane Board	Front - CBP2007: PCIe Gen4 x4 Rear - CBP2022: SATA 6Gb/s
CPU	Ampere® Altra® Max Processors Dual processor, TDP 250W	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Socket	2 x LGA 4926	Power Supply	1+1 1600W 80 PLUS Platinum redundant power supplies (-100) 1+1 1600W 80 PLUS Titanium redundant power supplies (-1T0) AC Input: 100-240V
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs Up to 3200 MT/s	System Fans	4 x 80x80x38mm
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	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)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Packaging Content	1 x R282-P91 2 x CPU heatsinks 1 x 2-Section Rail kit
Storage	Front hot-swap: 24 x 2.5" Gen4 NVMe Rear hot-swap: 4 x 2.5" SATA, via onboard SATA controller ASM1166 Internal M.2: 1 x M.2 (2242/2260/2280/22110), PCIe Gen4 x4	Ordering Part Numbers	6NR282P91DR-00-1*
PCIe Expansion Slots	4 x FHHL PCIe Gen4 x16	Optional Parts	- 3-Section Rail kit: 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R - Mini-DP to D-Sub cable: 25CRN-200801-K1R



Learn more at: <https://www.gigabyte.com/Enterprise>

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Last updated: Feb 25, 2026

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