

# R183-P90-AAJ1

Rack Server - 1U DP 4-Bay NVMe/SATA



## Features

- Dual AmpereOne® Family Processors
- 8-Channel DDR5 RDIMM, 32 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen5 x4 interface
- 2 x FHHL PCIe Gen5 x16 slots
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 2 x 2000W 80 PLUS Titanium redundant power supply

## Application

Networking, Hybrid/Private Cloud Server...

## Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D815 mm)	<b>I/O Ports</b>	Front: 2 x USB 3.2 Gen1 Rear: 2 x USB 3.2 Gen1, 2 x RJ45, 1 x Mini-DP, 1 x MLAN
<b>Motherboard</b>	MP93-FS0	<b>Backplane Board</b>	Speed and bandwidth: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
<b>CPU</b>	AmpereOne® Family Processors Up to 192 custom cores Dual processor, TDP up to 400W	<b>Security Modules</b>	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010
<b>Sock</b>	2 x LGA 5964	<b>Power Supply</b>	2 x 2000W 80 PLUS Titanium redundant power supply AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
<b>Memory</b>	32 x DIMM slots 8-Channel DDR5 memory architecture RDIMM: Up to 5200 MT/s, 4400 MT/s (2R 2DPC)	<b>System Fans</b>	8 x 40x40x56mm (32,000rpm)
<b>LAN</b>	2 x 1Gb/s LAN (1 x Intel® I350-AM2)- Supports NCSI function 1 x 10/100/1000 Mbps management LAN	<b>Operating Properties</b>	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)
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x Mini-DP	<b>Packaging Content</b>	1 x R183-P90-AAJ1, 2 x CPU heatsinks, 2 x Carriers, 1 x Mini-DP to D-Sub cable, 1 x 2-Section Rail kit Packaging Dimensions: 1045 x 595 x 249 mm
<b>Storage</b>	Front hot-swap: 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4* *SAS card is required to support SAS drives. Internal M.2: 1 x M.2 (2242/2260/2280/22110), PCIe Gen5 x4	<b>Part Numbers</b>	Barebone package: 6NR183P90DR000ABJ1* Optional parts: - 3-Section Rail kit (Supports CMA): 25HB2-A56121-K0R - Cable Management Arm: 25HB1-R18300-K0R - RMA packaging: 6NR183P90SR-RMA-A100
<b>RAID</b>	Require RAID add-in cards		
<b>Expansion Slots</b>	2 x FHHL PCIe Gen5 x16 slots 2 x OCP NIC 3.0 PCIe Gen5 x16 slots		



Learn more at <https://www.GIGABYTE.com/enterprise>

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