

# R284-A90-IAL1

Rack Server - 2U DP 12+2-Bay Gen5 NVMe/SATA/SAS-4 Immersion



## Key Features

- Immersion Cooling Server
- Dual Intel® Xeon® 6900-Series Processors
- 12-Channel DDR5 RDIMM / MRDIMM, 24 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 bays
- 2 x 2.5" SATA/SAS-4 bays
- 2 x M.2 slots with PCIe Gen5 x4 interface
- 2 x FHHL Dual-slot PCIe Gen5 x16 slots
- 2 x FHHL Single-slot PCIe Gen5 x16 slots
- 1 x LP PCIe Gen5 x16 slot
- 2 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 1+1 2700W 80 PLUS Titanium redundant power supplies

## Applications

Networks Server, Servers for Hybrid/Private Cloud...

## Specification

Dimensions	2U (W438 x H87.5 x D815 mm)	RAID	Require RAID add-in cards Onboard VROC key header
Motherboard	MA94-FS0	PCIe Expansion Slots	2 x FHHL Dual-slot PCIe Gen5 x16 2 x FHHL Single-slot PCIe Gen5 x16 1 x LP PCIe Gen5 x16 2 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6900-Series Processors Dual processor, TDP up to 500W	I/O Ports	<b>Top:</b> 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
OS Compatibility	<a href="#">OS Support List</a>	Backplane Board	<b>Front - CBP20C7:</b> PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s <b>Rear - CBP20E5:</b> SATA 6Gb/s or SAS-4 24Gb/s
Socket	2 x LGA 7529 (Socket BR)	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Chipset	System on Chip	Power Supply	1+1 2700W 80 PLUS Titanium redundant power supplies AC Input: 100-240V  *The system power supply requires C19 power cord.
Memory	12-Channel DDR5 RDIMM/MRDIMM, 24 x DIMMs [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8800 MT/s [1]  [1] MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores.	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating coolant temperature: 20°C to 35°C 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 R284-A90-IAL1 2 x CPU heatsinks 1 x Mini-DP to D-Sub cable 2 x Carriers
Storage	<b>Bottom:</b> 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 [1] <b>Top:</b> 2 x 2.5" SATA/SAS-4 [2] <b>Internal M.2:</b> 2 x M.2 (2280/22110), PCIe Gen5 x4  [1] Storage card is required to support SATA and SAS drives. [2] SAS card is required to support SAS drives.	Ordering Part Numbers	6NR284A90DR000IAL1*



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

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