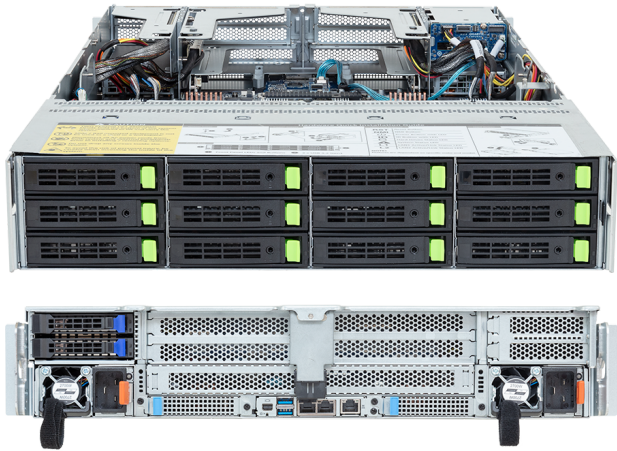


# R284-A90-IAL1

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<br>Onboard VROC key header                                                                                          |
| Motherboard      | MA94-FS0                                                                                                                                                                                                                                                                             | PCIe Expansion Slots  | 2 x FHHL Dual-slot PCIe Gen5 x16<br>2 x FHHL Single-slot PCIe Gen5 x16<br>1 x LP PCIe Gen5 x16<br>2 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI |
| CPU              | Intel® Xeon® 6 Processors<br>- Intel® Xeon® 6900-Series Processors<br>Dual processor, TDP up to 500W                                                                                                                                                                                 | I/O Ports             | <b>Top:</b><br>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<br><b>Rear - CBP2025:</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<br>1 x PRoT connector (only enabled on RoT SKU)                                             |
| Chipset          | System on Chip                                                                                                                                                                                                                                                                       | Power Supply          | 1+1 2700W 80 PLUS Titanium redundant power supplies<br>AC Input: 100-240V<br>*The system power supply requires C19 power cord.                |
| Memory           | 12-Channel DDR5 RDIMM/MRDIMM, 24 x DIMMs<br>[RDIMM] Up to 6400 MT/s<br>[MRDIMM] Up to 8800 MT/s [1]<br>[1] MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores.                                                                                                   | System Management     | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface                                                  |
| LAN              | 2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI<br>1 x 10/100/1000 Mbps Management LAN                                                                                                                                                                                             | Operating Properties  | Operating coolant temperature: 20°C to 35°C<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)                                      |
| Video            | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP                                                                                                                                                                                                                                       | Packaging Content     | 1 x R284-A90-IAL1<br>2 x CPU heatsinks<br>1 x Mini-DP to D-Sub cable<br>2 x Carriers                                                          |
| Storage          | <b>Bottom:</b><br>12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 [1]<br><b>Top:</b><br>2 x 2.5" SATA/SAS-4 [2]<br><b>Internal M.2:</b><br>2 x M.2 (2280/22110), PCIe Gen5 x4<br>[1] Storage card is required to support SATA and SAS drives.<br>[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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