

G494-SB0-AAP2

HPC/AI Server - Intel® Xeon® 6700/6500 -
4U DP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x Dual slot Gen5 GPUs
 - 8 x NVIDIA H200 NVL PCIe GPUs with 4-way NVLink bridges
 - 4 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM / MRDIMM, 32 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 8 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x 2.5" SATA/SAS-4 hot-swap bays
- 8 x FHFL PCIe Gen5 x16 for GPUs
- 1 x FHHL PCIe Gen5 x8 on the front side
- Quad 3000 W 80 PLUS Titanium redundant power supply

Specification

| | | | |
|-------------------------|--|------------------------------|---|
| Dimensions | 4U (W448 x H176 x D880 mm) (W448 x H176 x D1000.5 mm with optional fan kit) | PCIe Expansion Slots | Rear: 8 x FHFL PCIe Gen5 x16, for GPUs Front: 1 x FHHL PCIe Gen5 x8 |
| Motherboard | MSB4-G40 | I/O Ports | Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN |
| CPU | Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processor, TDP up to 350 W | TPM | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU) |
| OS Compatibility | OS Support List | Power Supply | Quad 3000 W 80 PLUS Titanium redundant power supply AC Input: 100-240 V *The system power supply requires C19 power cord. |
| Socket | 2 x LGA 4710 (Socket E2) | System Fans | 12 x 60x60x56mm |
| Chipset | System on Chip | 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) |
| Memory | 8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [1] [1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration. | Packaging Content | 1 x G494-SB0-AAP2 2 x CPU fansinks 8 x GPU power cables (16-pin, 150mm) 4 x Carriers 1 x L-shape Rail kit |
| LAN | 2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN | Ordering Part Numbers | 6NG494SB0DR000AAP2* |
| Video | Integrated in ASPEED® AST2600 - 1 x VGA port | Optional Parts | - 8080 fan kit for 600 W GPUs: 6NG494SBXK002AFN001** (packaging dimensions: L441 x W242 x H272 mm) |
| Storage | Front hot-swap: 8 x 2.5" Gen5 NVMe/SATA/SAS-4 [1] 4 x 2.5" SATA/SAS-4 [1] [1] Storage card is required to support SATA and SAS drives. | RAID | Require RAID add-in cards Onboard VROC key headers |



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

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