

G292-280-IAY1

2U DP 8 x Gen4 GPU Immersion Server



Features

- Single-Phase Immersion Ready Server
- 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 24 x DIMMs
- Dual ROM Architecture supported
- Intel® C621A Express Chipset
- 2 x 10Gb/s BASE-T LAN ports and 1 x MLAN port
- 4 x 2.5" SATA/SAS hot-swappable HDD/SSD bays
- 4 x 2.5" SATA/SAS/Gen4 NVMe hot-swappable HDD/SSD bays
- 8 x PCIe Gen4 expansion slots for double slot GPU cards
- 2 x PCIe x16 low-profile slots for add-on cards
- Dual 3200W 80 PLUS Platinum hot-swap power supply

Specification

Dimensions	2U (W448 x H87.5 x D800 mm)	Backplane I/O	8 x SAS/SATA/Gen4 NVMe ports Bandwidth: SATAIII 6Gb/s, SAS 12Gb/s or PCIe Gen4 x4
Motherboard	MG52-G20	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	3rd Gen Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor 10nm technology, CPU TDP up to 270W 2 x LGA 4189 (Socket P+)	Power Supply	Dual 3200W 80 PLUS Platinum power supply AC Input: 100-240V
Chipset	Intel® C621A Express Chipset	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 24 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported 1.2V modules: 3200/2933/2666 MHz	OS Compatibility	Windows Server 2016 / 2019 / 2022 RHEL 8.2 (x64) / 8.3 (x64) / 9 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 20.04 LTS (x64) / 22.04 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update2 / 7.0 Update3
LAN	2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) 1 x 10/100/1000 management LAN	System Fans	N/A
Video	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Operating Properties	Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Storage	4 x 2.5" SATA/SAS hot-swappable HDD/SSD bays 4 x 2.5" SATA/SAS/Gen4 NVMe hot-swappable HDD/SSD bays SAS card is required for SAS devices support	Package Contents	1 x G292-280, 2 x CPU heatsinks
Expansion Slots	8 x PCIe x16 slots (Gen4 x16 bus) for GPUs 2 x PCIe x16 (Gen4 x16 bus) Half-length low-profile slots	Reference Numbers	Barebone: 6NG292280DR000IAY1* - Motherboard: 9MG52G20NR-00 - VROC module: 25FD0-R181N0-10R for Intel SSD only, in option) - CPU heatsink: 25ST1-44320Q-M1R/ 25ST1-44320R-M1R - Back plane board: 9CBPG084NR-00 - Power supply: 25EPO-230008-D0S - 2 x 7mm internal SSD cable kit: 6NG291281SR-00-100 (in option) - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (in option) - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R in option)
Front I/O	-		
Rear I/O	2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN		



Learn more about GIGABYTE server solutions, visit www.gigabyte.com/Enterprise

* All specifications are subject to change without notice. Please visit our website for the latest information.

* Intel, the Intel logo, Xeon, and other Intel marks are trademarks of Intel Corporation or its subsidiaries.

* All other brands, logos and names are property of their respective owners.

© 2022 GIGABYTE Technology Co., Ltd. All rights reserved.