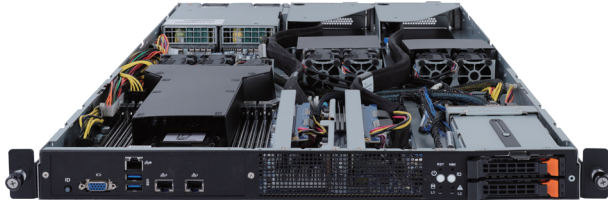


G182-C20

AMD Ryzen™ Threadripper™ Server System



Features

- Up to 2 x PCIe Gen4 GPU cards
- 3rd Gen AMD Ryzen™ Threadripper™ Processors
- Quad Channel ECC/ Non-ECC Unbuffered DDR4, 8 DIMMs
- 2 x 10Gb/s LAN ports (Intel® X550-AT2)
- 1 x dedicated management port
- 2 x 2.5" SATA/Gen3 NVMe hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 2 x FHFL PCIe Gen4 expansion slots for GPU cards
- 2 x 80 PLUS Platinum 1600W (240V) redundant PSU

Specification

Dimensions	1U (W438 x H43.5 x D700 mm)	Backplane I/O	CBPG021: 2 x SATA/Gen3 NVMe hybrid ports Speed and bandwidth: SATA 6Gb/s or PCIe Gen3 x4 per port
Motherboard	MC22-HS1	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	Support 3rd Generation AMD Ryzen™ Threadripper™ processors cTDP up to 280W	Power Supply	2 x 1600W 80 PLUS Platinum power supply AC Input: 100-240V
Socket	Socket sTRX4	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	AMD TRX40	OS Compatibility	Windows 10 64-bit Ubuntu 18.04 Red Hat 7.6
Memory	4-Channel DDR4 memory, 8 x DIMM slots ECC Un-buffered DIMM, non-ECC Un-buffered DIMM modules Total up to 256GB of system memory (32GB single DIMM capacity) Memory speed: Up to 2133/ 2400/ 2667/ 2933/ 3200 MHz	System Fans	1 x 40x40x28mm (25,000rpm) 4 x 40x40x56mm (23,000rpm) 2 x 40x40x56mm (25,000rpm)
LAN	2 x 10GbE LAN ports (Intel® X550-AT2), NCSI supported 1 x 10/100/1000 management LAN	Operating Properties	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)
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Package Contents	1 x G182-C20, 1 x CPU heatsink, 1 x Rail kit
Storage	2 x 2.5" SATA/Gen3 NVMe hot-swap HDD/SSD bays	Reference Numbers	Barebone with rail kit: 6NG182C20MR-00 - Motherboard: 9MC22HS1NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320J-A0R - Power supply: 25EP0-216008-L0S
Expansion Slots	2 x PCIe x16 slots (Gen4 x16) for FHFL GPU cards 1 x M.2 slot (Gen4 x4), supports 2280/ 22110 cards - System is validated for population with a uniform GPU model - Support is not provided for mixed GPU populations		
Front I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN		
Rear I/O	-		



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

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