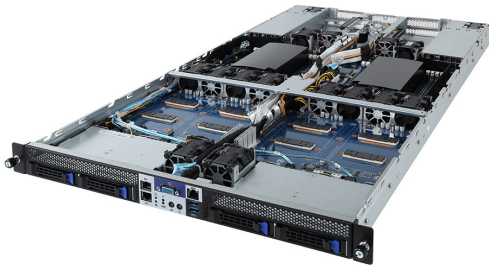


GIGABYTE G190-G30 1U SERVER



EIGENSCHAPPEN

- Up to 4 x NVIDIA Tesla® V100 SXM2 modules
- Up to 300GB/s GPU interconnection by NVIDIA® NVLINK™ technology
- Intel® Xeon® processor E5-2600 v4 / v3 product families
- 16 x RDIMM/LRDIMM ECC DDR4 DIMM slots
- 2 x GbE LAN ports (Intel® I350-AM2)
- 4 x 2.5" SATAIII hot-swappable HDD/SSD bays
- 2 x PCIe Gen3 expansion slots
- 80 PLUS Titanium 2000W redundant PSU



SPECIFICATIES

Dimensions (WxHxD, mm)	1U 440 x 43.5 x 900 mm
Motherboard	MG30-NV0
CPU	Intel® Xeon® E5-2600 v4 processors supported Intel® Xeon® E5-2600 v3 processors supported NOTE: If only 1 CPU is installed, some PCIe or memory functions might be unavailable
Socket	2 x LGA 2011-3 Mounting pitch: square ILM (80x80mm)
Chipset	Intel® C612
Memory	16 x DIMM slots DDR4 memory supported only Quad channel memory architecture RDIMM modules up to 32GB supported LRDIMM modules up to 64GB supported 3DS LRDIMM modules up to 128GB supported 1.2V modules: 2133/2400 MHz
LAN	2 x GbE LAN ports (Intel® I350-AM2) 1 x 10/100/1000 management LAN
Video	Integrated in Aspeed® AST2400 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Audio	-
Storage	4 x 2.5" hot-swappable HDD/SSD bays SAS card is required for SAS devices support
SATA	-
SAS	Supported via add-on SAS Card
RAID	Intel® SATA RAID 0/1/5/10
Peripheral Drives	-



Expansion Slots	<p>4 x NVIDIA Tesla® V100 SXM2 modules Up to 300GB/s GPU interconnection by NVIDIA® NVLINK™ technology 2 x PCIe x16 slots (Gen3 x16), Low profile half-length</p>
Internal I/O	<p>2 x power supply connectors 1 x Back plane power connector 1 x Mini-SAS HD SFF8643 connector 1 x USB 3.0 header 1 x COM 1 x TPM header 1 x PMBUS header 1 x IPMB connector 1 x Clear CMOS jumper</p>
Front I/O	<p>2 x USB 3.0 3 x RJ45 1 x VGA 1 x Power Button with LED 1 x ID Button with LED 1 x Reset Button 1 x NMI Button</p>
Rear I/O	-
Backplane I/O	4 x SAS / SATA ports
TPM	<p>1 x TPM header with LPC interface Optional TPM2.0 kit: CTM000</p>
Power Supply	<p>2 x 2000W redundant PSU 80 PLUS Titanium AC input: - 1000W: 100-127V/ 12-9.5A, 50-60Hz - 1800W: 200-220V/ 10-9.5A, 50-60Hz - 1980W: 220-230V/ 10-9.8A, 50-60Hz - 2000W: 230-240V/ 10-9.8A, 50-60Hz DC output: Max 1000W@100-127V: +12V/ 83.3A +12Vsb/ 2.1A 1800W@200-220V +12V/ 150.0A +12Vsb/ 2.1A 1980W@220-230V +12V/ 165.0A +12Vsb/ 2.1A 2000W@200-240V +12V/ 166.7A +12Vsb/ 2.1A NOTE: Redundant function could not be supported if SXM2 modules are fully populated</p>



System Management	<p>Aspeed® AST2400 management controller Avocent® MergePoint IPMI 2.0 web interface: Network settings Network security settings Users control Services settings IPMI settings Sessions control LDAP settings Power control Voltages, fans and temperatures monitoring System event log Events management (platform events, trap settings, email settings) Serial Over LAN vKVM & vMedia (launch, configuration)</p>
OS Supported	<p>Windows Server 2008 R2 (x64) Windows Server 2012 R2 (x64) Windows Server 2016 Red Hat Enterprise Linux 6.7 (x86/x64) Red Hat Enterprise Linux 7.2 (x64) SUSE Linux Enterprise Server 11.4 (x86/x64) SUSE Linux Enterprise Server 12 (x64) Ubuntu 12.04 LTS (x86/x64) Ubuntu 14.04 LTS (x86/x64) VMware ESXi 5.1 U2 VMware ESXi 5.5 U2 VMware ESXi 6.0 U1 VMware ESXi 6.5</p>
Weight	Gross Weight: 32Kg
System Fans	<p>10 x 40x56mm Dual Rotor Fan 4 x 40x56mm Single Rotor Fan</p>
Operating Properties	<p>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)</p>
Packaging Dimensions	1185 x 739 x 245 mm
Packaging Content	<p>1 x G190-G30 2 x CPU heatsinks 4 x GPU heatsinks 1 x Rail kit</p>



Part Numbers

Barebone package: 6NG190G30MR-00

Part Numbers:

- Motherboard: 9MG30NV0NR-00
- Rail kit: 25HB2-NJ2101-N1R
- CPU heatsink: 25ST1-423300-C1R
- GPU heatsink: 25ST1-253103-F2R
- NVLINK motherboard: 5CPBG300NR-00
- Back plane board: 9CBPG040NR-00
- Power supply: 25EP0-220003-C2S
- Front panel board: 9CFPG011NR-00
- PCIe x16 cable 660mm: 25CRF-660000-30R
- PCIe x16 cable 480mm: 25CRF-480000-30R
- PCIe x16 cable 210mm: 25CRF-210000-30R