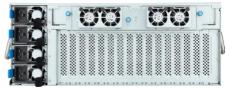# TRANSOURCE

TBird-X-8GPU

GPU Server - 4U DP 10-GPU 12-bay NVMe/SATA

intel.
XEON

Features

- Supports up to 10 x double slot Gen5 GPU cards
- 4th Gen. Intel® Xeon® Scalable Processors
- Intel® Xeon® CPU Max Series
- Dual processor, LGA4677
- 8-Channel RDIMM DDR5, 32 x DIMMs
- Dual ROM Architecture supported
- 2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2)
- 1 x dedicated management port
- 12 x 3.5/2.5" NVMe/SATA hot-swappable bays
- 1 x Ultra-Fast M.2 with PCIe Gen3 interface
- 8 x FHFL PCIe Gen5 x16 slots for GPU cards
- 2 x LP PCIe Gen5 x16 MD2 expansion slots on front side
- 3+1 3000W (240V) 80 PLUS Titanium redundant power supply

Specification

Dimensions	4U (W448 x H176 x D880 mm)	**Rear I/O**	N/A
Motherboard	MSB3-G40	**Backplane I/O**	PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s
CPU	4th Gen Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor CPU TDP up to 350W	**TPM**	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
		Power Supply	3+1 3000W (240V) 80 PLUS Titanium redundant power supply AC Input: 100-240V
Socket	2 x LGA 4677 (Socket E)	**System Management**	Aspeed® AST2600 management controller Management Console (AMI MegaRAC SP-X)
Chipset	Intel® C741 Chipset		
Memory	8-Channel DDR5 memory, 32 x DIMM slots RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 4800 MHz (1DPC), 4400 MHz (2DPC)	**OS Compatibility**	Windows Server 2019 / 2022 RHEL 8.4 / 8.5 / 8.6 / 8.7 / 9.0 / 9.1 (x64) SLES 15 SP3 / 15 SP4 (x64) Ubuntu 22.04 LTS / 22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0
LAN	2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) Supported NCSI function 1 x 10/100/1000 management LAN	**System Fans**	6 x 60x60x38mm (23,000rpm), 4 x 40x40x28mm (25,000rpm)
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	**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)
Storage	12 x 3.5" SATA/SAS hot-swappable bays SAS card is required for SAS devices support	**Packaging Content**	1 x G493-SB1, 2 x CPU heatsinks, 6 x Carrier clips, 1 x Rail kit
RAID	Intel SATA RAID 0/1/10/5	**Reference Numbers**	Barebone package: 6NG493SB1DR000AAP1* - Motherboard: 9MSB3G40NR-000 - Rail kit: 25HB2-A96100-K0R - CPU Fan-sink: 25ST1-363204-C1R - Back plane board_12-port_3.5": 9CBP20C7NR-00 - Power supply: 25EP0-230005-G1S - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional) - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional)
Expansion Slots	10 x PCIe Gen5 x16 FHFL slots for GPUs on rear side 2 x PCIe Gen5 x16 Low-profile MD2 slots on front side 1 x M.2 slot (M-key, PCIe Gen3 x1, supports 2280/22110)		
Front I/O	2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN		

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