

H262-P61

High-density ARM Server - DP 2U 4-Node



AMPERE®



Features

- 2U - 4 nodes rear access server system
- Hardware-level root of trust support
- Dual socket Ampere® Altra® Max or Altra® Processors
- 8-Channel RDIMM/LRDIMM DDR4, 64 x DIMMs
- 8 x 1Gb/s LAN ports (Intel® I350-AM2)
- 4 x Dedicated management ports
- 1 x CMC global management port
- 8 x 2.5" SATA hot-swappable HDD/SSD bays
- 4 x M.2 with PCIe Gen4 x4 interface
- 8 x Low profile PCIe Gen4 x16 expansion slots
- 4 x OCP 3.0 Gen4 x16 mezzanine slots
- 2200W (240V) 80 PLUS Platinum redundant PSU

Specification

Dimensions	2U 4 Nodes - Rear access (W440 x H87.5 x D840 mm)	Backplane I/O	Total 8 x ports, each node handles 2 x ports Speed and bandwidth: SATA 6Gb/s or SAS 12Gb/s per port
Motherboard	MP62-HD0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	Ampere® Altra® Max or Altra® Processor Dual processors, 7nm technology Up to 128-core per processor, TDP up to 250W Total: 8 x LGA 4926 sockets	Power Supply	Dual 2200W 80 PLUS Platinum power supply AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, total 64 x DIMM slots RDIMM/LRDIMM modules up to 256GB supported Up to 4TB of memory capacity supported per processor Memory speed: Up to 3200 MHz	OS Compatibility	RHEL 8.3 / 8.5 (aarch64) or later SLES 15 SP2 / 15 SP3 (aarch64) or later Ubuntu 18.04.5 LTS / 20.04.1 LTS / 22.04 LTS (aarch64) or later Fedora Server 33-1.2 / 35-1.2 (aarch64) or later OracleLinux R8 U2 / R8 U5 Debian 10.9 (Buster) / 11.1
LAN	8 x 1GbE LAN ports (Intel® I350-AM2) 4 x Dedicated management ports 1 x 10/100/1000 CMC global management port	System Fans	8 x 80x80x38mm (16,300rpm)
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	Total: 8 x 2.5" SATA hot-swappable HDD/SSD bays	Packaging Content	1 x H262-P61 8 x CPU heatsinks 1 x Rail kit
SAS	N/A	Reference Numbers	Barebone package: 6NH262P61MR-00 - Motherboard: 9MP62HD0NR-00 - Rail kit: 25HB2-AN6103-K0R - CPU heatsink: 25ST1-45320B-A3R/25ST1-45320C-C1R - Power Supply: 25EP0-222003-D0S - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (option) - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (option) - Ring topology kit: 6NH262Z65SR-00-100 (option)
RAID	N/A		
Expansion Slots	8 x Half-length low-profile slot with PCIe x16 (Gen4 x16) 4 x OCP 3.0 mezzanine slot with PCIe Gen4 x8 or x16 bandwidth* NOTE: Gen4 x16 available for Ampere Altra Max processor only 4 x M.2 slot: M-key, PCIe Gen4 x4, Supports NGFF-2280/22110		
Front I/O	-		
Rear I/O	Total: 8 x USB 3.0, 4 x Mini DP, 8 x RJ45, 4 x MLAN, 1 x CMC LAN		



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.

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