

# H262-P60

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
- 24 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

<b>Dimensions</b>	2U 4 Nodes - Rear access (W440 x H87.5 x D840 mm)	<b>Backplane I/O</b>	Total 24 x ports, each node handles 6 x ports Speed and bandwidth: SATA 6Gb/s or SAS 12Gb/s per port
<b>Motherboard</b>	MP62-HD0	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>CPU</b>	Ampere® Altra® Max or Altra® Processor Dual processors, 7nm technology Up to 128-core per processor Total: 8 x LGA 4926 sockets	<b>Power Supply</b>	Dual 2200W 80 PLUS Platinum power supply AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	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	<b>OS Compatibility</b>	RHEL 8.3 / 8.5 (ARM64) CentOS 8.3-2011 / 8.4.2105 / 8.5.2111 (ARM64) SLES 15 SP2 / 15 SP3 (ARM64) Ubuntu 18.04.5 LTS / 20.04.1 LTS (ARM64) Fedora Server 33-1.2 / 35-1.2 (ARM64) FreeBSD 14.0-CURRENT (ARM64) OracleLinux R8 U2 / R8 U5 (ARM64) Debian 10.9 (Buster) / 11.1 (ARM64)
<b>LAN</b>	8 x 1GbE LAN ports (Intel® I350-AM2) 4 x Dedicated management ports 1 x 10/100/1000 CMC global management port	<b>System Fans</b>	8 x 80x80x38mm (16,300rpm)
<b>Video</b>	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>Operating Properties</b>	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)
<b>Storage</b>	Total: 24 x 2.5" SATA hot-swappable HDD/SSD bays	<b>Packaging Content</b>	1 x H262-P60, 8 x CPU heatsink, 1 x Rail kit
<b>SAS</b>	N/A	<b>Reference Numbers</b>	Barebone package: 6NH262P60MR-00 - Motherboard: 9MP62HD0NR-00 - Rail kit: 25HB2-AN6103-K0R - 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 (optional)
<b>RAID</b>	N/A		
<b>Expansion Slots</b>	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		
<b>Front I/O</b>	-		
<b>Rear I/O</b>	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](http://www.gigabyte.com/Enterprise)

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