

## G241-G40

HPC System - 2U UP 4 x GPU Server



IoT Solutions Alliance



### Features

- Supports up to 4 x double slot GPU cards
- NVIDIA® validated GPU platform
- 2nd Gen. Intel® Xeon® Scalable Processors
- 6-Channel RDIMM/LRDIMM DDR4, 12 x DIMMs
- 2 x 10Gb/s BASE-T and 2 x 1Gb/s LAN ports
- 1 x Dedicated management port
- 4 x 3.5" SATA/SAS hot-swap HDD/SSD bays
- 4 x PCIe Gen3 expansion slots for GPUs
- 1 x PCIe x16 Half-length low-profile slots for add-on cards
- Aspeed® AST2500 remote management controller
- Dual 2000W 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions</b>	2U (W438 xH87.5 x D820 mm)	<b>Front I/O</b>	1 x USB 3.0
<b>Motherboard</b>	MD71-HB1	<b>Rear I/O</b>	2 x USB 3.0, 1 x VGA, 4 x RJ45, 1 x MLAN
<b>CPU</b>	2nd Generation Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor and Intel® Xeon® Bronze Processor 2 x LGA 3647, Socket P System TDP up to 165W	<b>Backplane I/O</b>	Speed and bandwidth: SATA 6Gb/s per port
<b>Chipset</b>	Intel® C622 Express Chipset	<b>TPM</b>	1 x TPM header with LPC interface Optional TPM2.0 kit: CTM000
<b>Memory</b>	6-Channel DDR4 memory, 12 x DIMM slots RDIMM modules up to 64GB supported LRDIMM modules up to 128GB supported 1.2V modules: 2933/2666/2400 MHz	<b>Power Supply</b>	2 x 2000W 80 PLUS Platinum power supply AC Input: 100-240V
<b>LAN</b>	2 x 10Gb/s BASE-T LAN ports (1 x Intel® X557-AT2) 2 x 1Gb/s LAN ports 1 x 10/100/1000 management LAN	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>OS Compatibility</b>	Windows Server 2016 / 2019 RHEL 7.6 (x64) / 8.0 (x64) SLES 12.3 (x64) / 15 (x64) or later Ubuntu 18.04 LTS (x64) / 20.04 LTS (x64) or later VMware ESXi 6.0 Update3 / 6.5 Update2 / 6.7 Update1 / 7.0 or later Citrix XenServer 7.1.0 CU2 / 7.5.0 or later Citrix Hypervisor 8.0.0 or later
<b>Storage</b>	4 x 3.5" SATA hot-swappable HDD/SSD bays 2.5" HDD/SSD supported SATA devices supported only	<b>System Fans</b>	5 x 80x80x38mm (16,300rpm)
<b>RAID</b>	Intel® SATA RAID 0/1/10/5	<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>Expansion Slots</b>	4 x PCIe x16 (Gen3 x16) slots for GPUs 1 x PCIe x16 (Gen3 x16) slot 1 x PCIe x8 (Gen3 x8) slot, shared with M.2 PCIe x4 2 x M.2 slots (Gen3 x4)	<b>Packaging Content</b>	1 x G241-G40 2 x CPU heatsink 1 x Rail kit
<b>Internal I/O</b>	1 x TPM header 1 x Front panel header	<b>Reference Numbers</b>	Barebone with rail kit: 6NG241G40MR-00 - Motherboard: 9MD71HB1NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-253106-F2R / 25ST1-253209-F2R - Power supply: 25EP0-22000A-L0S



Learn more about GIGABYTE server solutions, visit [www.gigabyte.com/Enterprise](http://www.gigabyte.com/Enterprise)

\* All specifications are subject to change without notice. Please visit our website for the latest information.

\* Intel, the Intel logo, Xeon, and other Intel marks are trademarks of Intel Corporation or its subsidiaries.

\* All other brands, logos and names are property of their respective owners.

© 2021 GIGABYTE Technology Co., Ltd. All rights reserved.