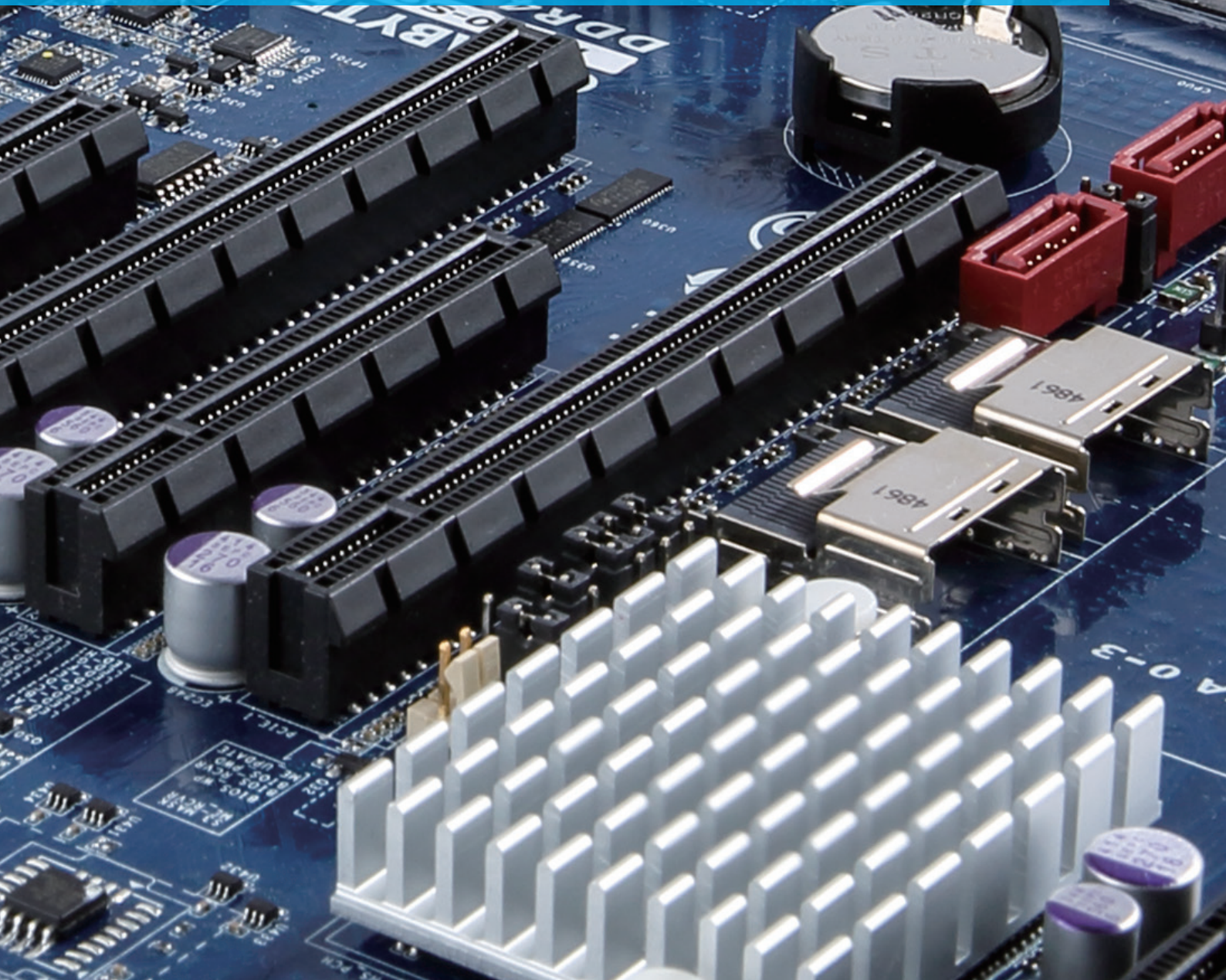


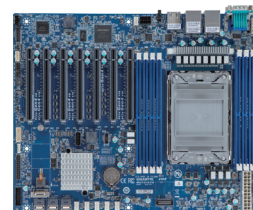
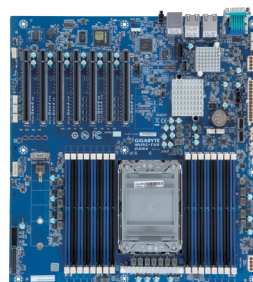
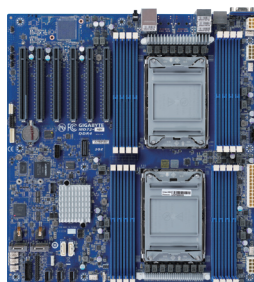
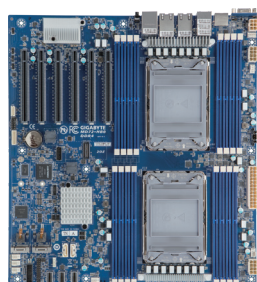


# Server Motherboard

We put our three decades of know-how in motherboard design at the service of cutting-edge server motherboards. Always built with the best and most durable components, we make products suitable for both tower and rackmount servers with features for a wide range of professional applications:

- **Standard Web, Storage, Database Servers, etc.**
- **High Performance Computing**
- **Parallel Computing**
- **Virtual RAM Drives**
- **Mass Storage**
- **Virtualized Applications**





	MD72-HB0 / HB2	MD72-HB1 / HB3	MU92-TU0 / TU1	MU72-SU0
<b>Form Factor</b>	E-ATX (W305 x D330 mm)	E-ATX (W305 x D330 mm)	E-ATX (W305 x D330 mm)	ATX (W304.8 x D254 mm)
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable Intel Xeon W-3300	3rd Gen. Intel Xeon Scalable Intel Xeon W-3300
<b>Socket</b>	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)	1 x LGA 4189 (Socket P+)	1 x LGA 4189 (Socket P+)
<b>Chipset</b>	Intel C621A	Intel C621A	Intel C621A	Intel C621A
<b>Memory</b>	16 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	16 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	16 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	8 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	2 x 10GbE LAN (Intel X710-AT2) 2 x 1GbE LAN (Intel I210-AT) 1 x MLAN	2 x 1GbE LAN (Intel I210-AT) 1 x MLAN	2 x 10GbE LAN (Intel X710-AT2) 1 x MLAN	2 x 1GbE LAN (Intel I210-AT) 1 x MLAN
<b>Storage</b>	2 x 7-pin SATAIII 3 x SlimSAS (12 x SATAIII)	2 x 7-pin SATAIII 3 x SlimSAS (12 x SATAIII)	2 x 7-pin SATAIII 2 x SlimSAS (8 x SATAIII)	3 x SlimSAS (12 x SATAIII)
<b>Expansion Slots</b>	6 x PCIe x16 (4.0 x16) 2 x M.2 (4.0 x4)	6 x PCIe x16 (4.0 x16) 2 x M.2 (4.0 x4)	1 x PCIe x16 (4.0 x16) 3 x PCIe x16 (4.0 x16 or x8) 3 x PCIe x16 (4.0 x0 or x8) 1 x M.2 (3.0 x4)	1 x PCIe x16 (4.0 x16) 3 x PCIe x16 (4.0 x16 or x8) 3 x PCIe x16 (4.0 x0 or x8) 1 x M.2 (3.0 x4)
<b>Rear I/O</b>	2 x USB 3.0 1 x VGA 1 x COM (RJ45) 4 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 1 x COM (RJ45) 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 1 x COM 2 x RJ45 1 x MLAN	4 x USB 3.0 1 x VGA 1 x COM 2 x RJ45 1 x MLAN
<b>Power Supply Connectors</b>	1 x 24-pin ATX main 2 x 8-pin ATX 12V 1 x 6-pin PCIe	1 x 24-pin ATX main 2 x 8-pin ATX 12V 1 x 6-pin PCIe	1 x 24-pin ATX main 2 x 8-pin ATX 12V	1 x 24-pin ATX main 1 x 8-pin ATX 12V 1 x 6-pin PCIe
<b>Board Management</b>	MD72-HB0: ASPEED AST2500 MD72-HB2: ASPEED AST2600 GIGABYTE Management Console	MD72-HB1: ASPEED AST2500 MD72-HB3: ASPEED AST2600 GIGABYTE Management Console	MU92-TU0: ASPEED AST2500 MU92-TU1: ASPEED AST2600 GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	MD72-HB0: 9MD72HB0MR-00 MD72-HB2: 9MD72HB2MR-00	MD72-HB1: 9MD72HB1MR-00 MD72-HB3: 9MD72HB3MR-00	MU92-TU0: 9MU92TU0MR-00 MU92-TU1: 9MU92TU1MR-00	9MU72SU0MR-00

# Rack Server

GIGABYTE offers rack-mounted solutions based on its server motherboards. Equipped with the best power supplies and cooling fans, they are ready-to-integrate solutions combining a high level of performance, energy efficiency, and overall reliability for the most demanding server applications:

- **Web Hosting**
- **Virtualized Infrastructures**
- **Databases & Analytics**



	R292-4S0	R292-4S1	R282-G30
<b>Form Factor</b>	2U (W438 x H87.5 x D858 mm) 4 x double-wide GPUs support	2U (W438 x H87.5 x D858 mm)	2U (W438 x H87.5 x D730 mm) 3 x double-wide GPUs support Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Socket</b>	4 x LGA 4189 (Socket P+)	4 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)
<b>Chipset</b>	Intel C621A	Intel C621A	Intel C621A
<b>Memory</b>	48 x DIMM slots 6-Channel DDR4 memory Speed up to 3200(1DPC)/ 2933(2DPC) MHz	48 x DIMM slots 6-Channel DDR4 memory Speed up to 3200(1DPC)/ 2933(2DPC) MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	2 x 10Gb/s BASE-T LAN (Intel X710-AT2) 1 x 10/100/1000 management LAN	2 x 10Gb/s BASE-T LAN (Intel X710-AT2) 1 x 10/100/1000 management LAN	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN
<b>Storage</b>	10 x 2.5 U.2/ SATA/ SAS hot-swap drives SAS devices supported via SAS card	10 x 2.5 U.2/ SATA/ SAS hot-swap drives SAS devices supported via SAS card	8 x 3.5"/ 2.5 SATA/ SAS hot-swap drives 4 x 3.5"/ 2.5 Gen4 U.2/ SATA hot-swap drives SAS devices supported via SAS card
<b>Expansion Slots</b>	6 x PCIe x16 (3.0 x16), FHFL - Supports 4 x double-wide GPUs or 6 x HBAs 1 x OCP 3.0 mezzanine (3.0 x16) 1 x M.2 (3.0 x2)	8 x PCIe x16 (3.0 x16), FHFL 1 x OCP 3.0 mezzanine (3.0 x16) 1 x M.2 (3.0 x2)	5 x PCIe x16 (4.0 x16), FHFL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)
<b>Front I/O</b>	2 x USB 3.0	2 x USB 3.0	2 x USB 3.0
<b>Rear I/O</b>	2 x USB 3.0 1 x VGA 1 x COM 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 1 x COM 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN
<b>Power Supply</b>	2+0 3200W PSUs 80 PLUS Platinum, 100-240V AC	1+1 3200W redundant PSUs 80 PLUS Platinum, 100-240V AC	1+1 2400W redundant PSUs 80 PLUS Platinum, 100-240V AC
<b>Board Management</b>	ASPEED AST2500 BMC GIGABYTE Management Console	ASPEED AST2500 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	6NR2924S0MR-00	6NR2924S1MR-00	6NR282G30MR-00

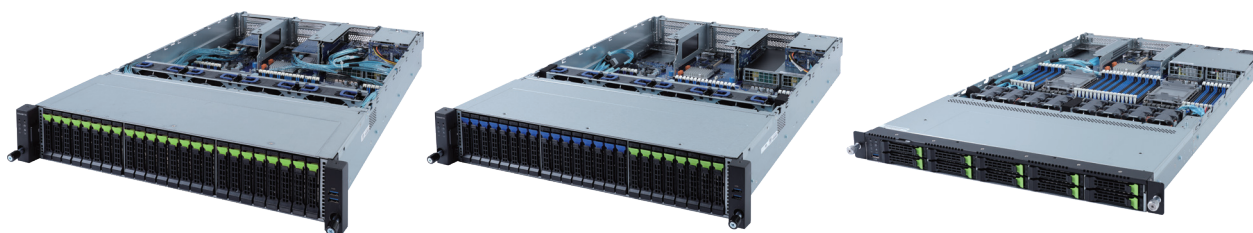


## R282-3C0 / 3C2

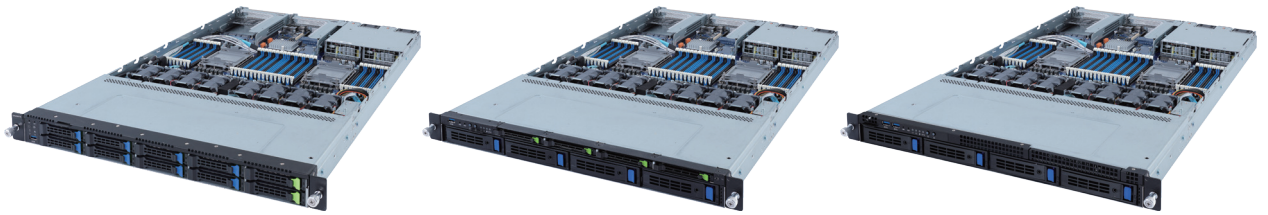
## R282-3C1

## R282-2O0

	R282-3C0 / 3C2	R282-3C1	R282-2O0
<b>Form Factor</b>	2U (W438 x H87.5 x D730 mm) Dual ROM Architecture support	2U (W438 x H87.5 x D730 mm) Dual ROM Architecture support	2U (W438 x H87.5 x D730 mm) Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Socket</b>	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)
<b>Chipset</b>	Intel C621A	Intel C621A	Intel C621A
<b>Memory</b>	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN
<b>Storage</b>	8 x 3.5"/ 2.5" SATA/ SAS hot-swap drives 4 x 3.5"/ 2.5" Gen4 U.2/ SATA hot-swap drives 2 x 2.5" SATA/ SAS hot-swap drives in rear SAS devices supported via SAS card	8 x 3.5"/ 2.5" SATA/ SAS hot-swap drives 4 x 3.5"/ 2.5" Gen4 U.2/ SATA hot-swap drives 2 x 2.5" SATA/ SAS hot-swap drives in rear Broadcom SAS35x36R expander Default supports: 4 x 2.5" NVMe drives, non-supported SATA/SAS without SAS card	24 x 2.5" SATA/ SAS hot-swap drives 2 x 2.5" SATA/ SAS hot-swap drives in rear Broadcom SAS35x36R expander Default supports: Non-supported SATA/SAS drives without SAS card
<b>Expansion Slots</b>	1 x PCIe x16 (4.0 x16), FHHL 2 x PCIe x16 (4.0 x16 or x8), FHHL 2 x PCIe x8 (4.0 x8), FHHL 1 x PCIe x8 (4.0 x0 or x8), FHHL 2 x PCIe x8 (4.0 x8), HHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)	1 x PCIe x16 (4.0 x16), FHHL 2 x PCIe x16 (4.0 x16 or x8), FHHL 2 x PCIe x8 (4.0 x8), FHHL 1 x PCIe x8 (4.0 x0 or x8), FHHL 2 x PCIe x8 (4.0 x8), HHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)	1 x PCIe x16 (4.0 x16), FHHL 2 x PCIe x16 (4.0 x16 or x8), FHHL 2 x PCIe x8 (4.0 x8), FHHL 1 x PCIe x8 (4.0 x0 or x8), FHHL 2 x PCIe x8 (4.0 x8), HHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)
<b>Front I/O</b>	2 x USB 3.0	2 x USB 3.0	2 x USB 3.0
<b>Rear I/O</b>	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN
<b>Power Supply</b>	1+1 1600W redundant PSUs 80 PLUS Platinum, 100~240V AC	1+1 1600W redundant PSUs 80 PLUS Platinum, 100~240V AC	1+1 1600W redundant PSUs 80 PLUS Platinum, 100~240V AC
<b>Board Management</b>	R282-3C0: ASPEED AST2500 BMC R282-3C2: ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	R282-3C0: 6NR2823C0MR-00 R282-3C2: 6NR2823C2MR-00	6NR2823C1MR-00	6NR2822O0MR-00

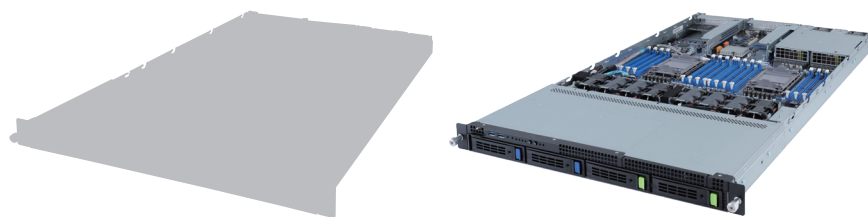


	R282-NO0	R282-N80 / N81	R182-NA0 / NA1
<b>Form Factor</b>	2U (W438 x H87.5 x D730 mm) Dual ROM Architecture support	2U (W438 x H87.5 x D730 mm) Dual ROM Architecture support	1U (W438 x H43.5 x D780 mm) Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Socket</b>	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)
<b>Chipset</b>	Intel C621A	Intel C621A	Intel C621A
<b>Memory</b>	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN
<b>Storage</b>	24 x 2.5 Gen4 U.2 hot-swap drives 2 x 2.5" SATA/ SAS hot-swap drives in rear SAS devices supported via SAS card	16 x 2.5" SATA/ SAS hot-swap drives 8 x 2.5" Gen4 U.2/ SATA hot-swap drives 2 x 2.5" SATA/ SAS hot-swap drives in rear Broadcom SAS35x36R expander Default supports: 8 x 2.5" NVMe drives, non-supported SATA/SAS without SAS card	10 x 2.5 Gen4 U.2/ SATA/ SAS hot-swap drives SAS devices supported via SAS card
<b>Expansion Slots</b>	2 x PCIe x16 (4.0 x16), FHHL 1 x OCP 2.0 mezzanine (3.0 x8)	1 x PCIe x16 (4.0 x16), FHHL 2 x PCIe x16 (4.0 x16 or x8), FHHL 2 x PCIe x8 (4.0 x8), FHHL 1 x PCIe x8 (4.0 x0 or x8), FHHL 2 x PCIe x8 (4.0 x8), HHLH 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)	2 x PCIe x16 (4.0 x16), FHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)
<b>Front I/O</b>	2 x USB 3.0	2 x USB 3.0	1 x USB 3.0
<b>Rear I/O</b>	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN
<b>Power Supply</b>	1+1 1600W redundant PSUs 80 PLUS Platinum, 100-240V AC	1+1 1600W redundant PSUs 80 PLUS Platinum, 100-240V AC	1+1 1300W redundant PSUs 80 PLUS Platinum, 100-240V AC
<b>Board Management</b>	ASPEED AST2600 BMC GIGABYTE Management Console	R282-N80: ASPEED AST2500 BMC R282-N81: ASPEED AST2600 BMC GIGABYTE Management Console	R182-NA0: ASPEED AST2500 BMC R182-NA1: ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	6NR282NO0MR-00	R282-N80: 6NR282N80MR-00 R282-N81: 6NR282N81MR-00	R182-NA0: 6NR182NA0MR-00 R182-NA1: 6NR182NA1MR-00



	R182-N20	R182-M80	R182-340
<b>Form Factor</b>	1U (W438 x H43.5 x D780 mm) Dual ROM Architecture support	1U (W438 x H43.5 x D780 mm) Dual ROM Architecture support	1U (W438 x H43.5 x D780 mm) Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Socket</b>	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)
<b>Chipset</b>	Intel C621A	Intel C621A	Intel C621A
<b>Memory</b>	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN
<b>Storage</b>	8 x 2.5 SATA/ SAS hot-swap drives 2 x 2.5 Gen4 U.2/ SATA/ SAS hot-swap drives SAS devices supported via SAS card	4 x 3.5"/ 2.5" SATA/ SAS hot-swap drives 4 x 2.5" 7mm Gen4 U.2/ SATA hot-swap drives SAS devices supported via SAS card 2 x 7-pin SATA DOM supported	4 x 3.5"/ 2.5" SATA/ SAS hot-swap drives SAS devices supported via SAS card 2 x 7-pin SATA DOM supported
<b>Expansion Slots</b>	2 x PCIe x16 (4.0 x16), FHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)	2 x PCIe x16 (4.0 x16), FHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)	2 x PCIe x16 (4.0 x16), FHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)
<b>Front I/O</b>	1 x USB 3.0	1 x USB 3.0	2 x USB 3.0
<b>Rear I/O</b>	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN
<b>Power Supply</b>	1+1 1300W redundant PSUs 80 PLUS Platinum, 100~240V AC	1+1 1300W redundant PSUs 80 PLUS Platinum, 100~240V AC	1+1 1300W redundant PSUs 80 PLUS Platinum, 100~240V AC
<b>Board Management</b>	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	6NR182N20MR-00	6NR182M80MR-00	6NR182340MR-00





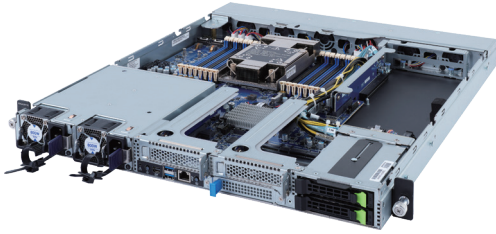
	R182-NC0	R182-34A
<b>Form Factor</b>	1U (W438 x H43.5 x D780 mm) Dual ROM Architecture support	1U (W438 x H43.5 x D780 mm) Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Socket</b>	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)
<b>Chipset</b>	Intel C621A	Intel C621A
<b>Memory</b>	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	16 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	2 x 1GbE LAN (Intel I350-AM2) 1 x 10/100/1000 management LAN	1 x 10/100/1000 management LAN
<b>Storage</b>	12 x 2.5 Gen4 U.2/ SATA/ SAS hot-swap drives SAS devices supported via SAS card	2 x 2.5 SATA/ SAS hot-swap drives 2 x 2.5 Gen4 U.2/ SATA/ SAS hot-swap drives SAS devices supported via SAS card
<b>Expansion Slots</b>	2 x PCIe x16 (4.0 x16), FHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)	2 x PCIe x16 (4.0 x16), FHHL 1 x OCP 3.0 mezzanine (4.0 x16) 1 x OCP 2.0 mezzanine (3.0 x8)
<b>Front I/O</b>	1 x USB 3.0	2 x USB 3.0
<b>Rear I/O</b>	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 1 x MLAN
<b>Power Supply</b>	1+1 1300W redundant PSUs 80 PLUS Platinum, 100-240V AC	1+1 800W redundant PSUs 80 PLUS Platinum, 100-240V AC
<b>Board Management</b>	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	6NR182NC0MR-00	6NR18234AMR-00

# Edge Server

Computation and analytics are done closer to the source of the data/device rather than in a far away data center. Applications include:

- **Real-time monitoring**
- **Live UHD Video Streaming**
- **IoT Devices**
- **Autonomous Vehicles**





## E162-220

**Form Factor** 1U (W438 x H43.5 x D500 mm)  
1 x double-wide GPU support  
Dual ROM Architecture support

**Processor** 3rd Gen. Intel Xeon Scalable

**Socket** 1 x LGA 4189 (Socket P+)

**Chipset** Intel C621A

**Memory** 16 x DIMM slots  
8-Channel DDR4 memory  
Speed up to 3200 MHz

**LAN** 1 x 10/100/1000 management LAN

**Storage** 2 x 2.5 Gen4 U.2/ SATA/ SAS hot-swap drives  
SAS devices supported via SAS card

**Expansion Slots** 1 x PCIe x16 (4.0 x16), FHHL  
2 x PCIe x16 (4.0 x16), HHHL  
1 x OCP 3.0 mezzanine (4.0 x16)  
2 x M.2 (4.0 x4)  
1 x M.2 (3.0 x4)

**Front I/O** 2 x USB 3.0  
1 x miniDP  
1 x MLAN

**Rear I/O** -

**Power Supply** 2+0 800W PSUs  
80 PLUS Platinum, 100~240V AC

**Board Management** ASPEED AST2600 BMC  
GIGABYTE Management Console

**Part Numbers** 6NE162220MR-00

# GPU Server

GIGABYTE is an industry leader in high performance computing, delivering systems with the highest GPU density available in the market combined with excellent cooling performance, power efficiency and superior networking flexibility. These systems can provide massive parallel computing capabilities to your organization. They are designed for:

- **Deep Learning**
- **Artificial Intelligence**
- **Scientific Computing**
- **Data Analytics**



	G492-ID0	G492-HA0	G492-H80
<b>Form Factor</b>	4U (W448 x H175.2 x D945 mm) NVIDIA HGX™ A100 8-GPU support Dual ROM Architecture support	4U (W447 x H175.2 x D880 mm) 10 x double-wide GPUs support Dual ROM Architecture support	4U (W447 x H175.2 x D880 mm) 8 x double-wide GPUs support Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Socket</b>	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)
<b>Chipset</b>	Intel C621A	Intel C621A	Intel C621A
<b>Memory</b>	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	2 x 10Gb/s BASE-T LAN (Intel X710-AT2) 1 x 10/100/1000 management LAN	2 x 10Gb/s BASE-T LAN (Intel X550-AT2) 1 x 10/100/1000 management LAN	2 x 10Gb/s BASE-T LAN (Intel X550-AT2) 1 x 10/100/1000 management LAN
<b>Storage</b>	6 x 2.5 Gen4 U.2/ SATA hot-swap drives Onboard 2 x SATA DOM supported	4 x 3.5"/ 2.5 SATA/ SAS hot-swap drives 8 x 3.5"/ 2.5 Gen4 U.2/ SATA hot-swap drives SAS devices supported via SAS card Onboard 2 x SATA DOM supported	12 x 3.5"/ 2.5 SATA hot-swap drives SATA device supported only Onboard 2 x SATA DOM supported
<b>Expansion Slots</b>	8 x SXM4 sockets for NVIDIA HGX A100 8-GPU 40GB/80GB module 10 x PCIe x16 (4.0 x16), HHHL 2 x M.2 (4.0 x4)	10 x PCIe x16 (4.0 x16) for GPUs 3 x PCIe x16 (4.0 x16), HHHL 1 x OCP 3.0 mezzanine (4.0 x16)	8 x PCIe x16 (4.0 x16) for GPUs
<b>Front I/O</b>	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN
<b>Rear I/O</b>	-	-	-
<b>Power Supply</b>	3+1 3000W redundant PSUs 80 PLUS Platinum, 100~240V AC	3+0 2200W PSUs 80 PLUS Platinum, 100~240V AC	3+0 2200W PSUs 80 PLUS Platinum, 100~240V AC
<b>Board Management</b>	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	6NG492ID0MR-00-1xx (40GB module) 6NG492ID0MR-00-8xx (80GB module)	6NG492HA0MR-00	6NG492H80MR-00



## G292-280

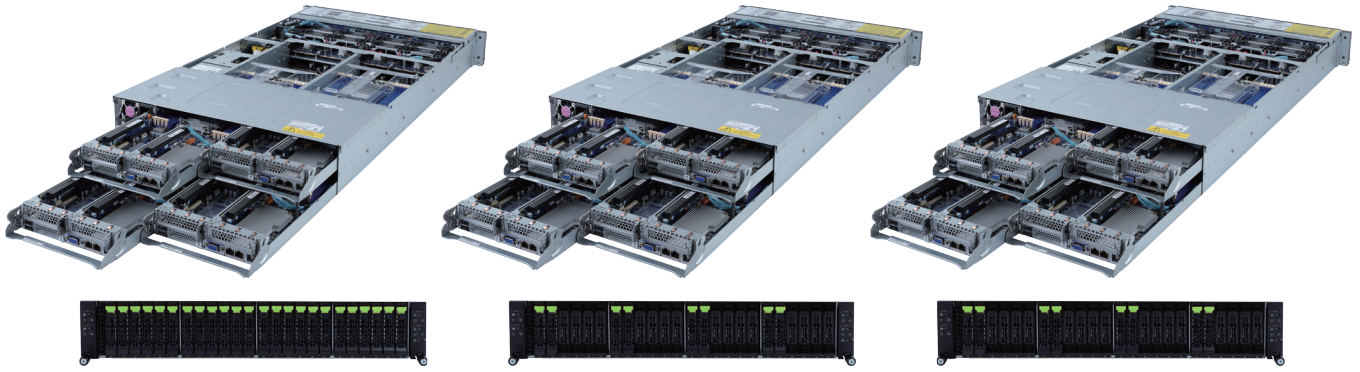
## G292-2G0

<b>Form Factor</b>	2U (W448 x H87.5 x D800 mm) 8 x double-wide GPUs support Dual ROM Architecture support	2U (W448 x H87.5 x D800 mm) 16 x single-wide GPUs support Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Socket</b>	2 x LGA 4189 (Socket P+)	2 x LGA 4189 (Socket P+)
<b>Chipset</b>	Intel C621A	Intel C621A
<b>Memory</b>	24 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	24 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>LAN</b>	2 x 10Gb/s BASE-T LAN (Intel X710-AT2) 1 x 10/100/1000 management LAN	2 x 10Gb/s BASE-T LAN (Intel X710-AT2) 1 x 10/100/1000 management LAN
<b>Storage</b>	4 x 2.5 SATA/ SAS hot-swap drives 4 x 2.5 Gen4 U.2/ SATA/ SAS hot-swap drives SAS devices supported via SAS card	4 x 2.5 SATA/ SAS hot-swap drives 4 x 2.5 Gen4 U.2/ SATA/ SAS hot-swap drives SAS devices supported via SAS card
<b>Expansion Slots</b>	8 x PCIe x16 (4.0 x16) for GPUs 2 x PCIe x16 (4.0 x16), HHHH	16 x PCIe x16 (4.0 x16) for GPUs 2 x PCIe x16 (4.0 x16), HHHH
<b>Front I/O</b>	-	-
<b>Rear I/O</b>	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN	2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN
<b>Power Supply</b>	2+0 3200W PSUs 80 PLUS Platinum, 100~240V AC	2+0 3200W PSUs 80 PLUS Platinum, 100~240V AC
<b>Board Management</b>	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	6NG292280MR-00	6NG2922G0MR-00

# High Density Server

Our systems designed for HCI (Hyper-Converged Infrastructure) are high-density multi-node rackmounts, utilizing an innovative design to combine compute, storage, networking and even GPU support into a single system. GIGABYTE's HCI systems often lead the market in terms of thermal performance and expansion slot capacity. They are ideal for:

- **High-Performance Computing (HPC)**
- **Hyper-Converged Infrastructure (HCI)**
- **Edge Computing**
- **File Storage**



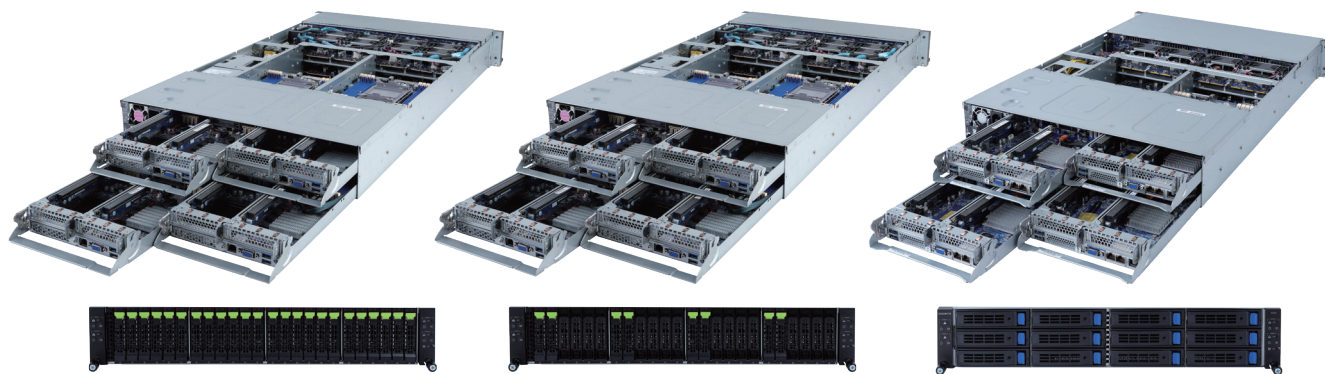
## H262-NOO

## H262-PC0

## H262-PC1

<b>Form Factor</b>	2U 4-node rear access system (W440 x H87.5 x D840 mm) Dual ROM Architecture support	2U 4-node rear access system (W440 x H87.5 x D840 mm) Dual ROM Architecture support	2U 4-node rear access system (W440 x H87.5 x D840 mm) Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Chipset</b>	Intel C621A	Intel C621A	Intel C621A
<b>Socket</b>	Per Node: 2 x LGA 4189 Total: 8 x LGA 4189 (Socket P+)	Per Node: 2 x LGA 4189 Total: 8 x LGA 4189 (Socket P+)	Per Node: 2 x LGA 4189 Total: 8 x LGA 4189 (Socket P+)
<b>Memory</b>	Per node: 16 x DIMM slots Total: 64 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	Per node: 16 x DIMM slots Total: 64 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	Per node: 16 x DIMM slots Total: 64 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	Per node: 2 x 10GbE LAN (Intel X710-AT2) 1 x MLAN Total: 8 x 10GbE LAN 4 x MLAN 1 x CMC LAN	Per node: 2 x 10GbE LAN (Intel X710-AT2) 1 x MLAN Total: 8 x 10GbE LAN 4 x MLAN 1 x CMC LAN	Per node: 2 x 10GbE LAN (Intel X710-AT2) 1 x MLAN Total: 8 x 10GbE LAN 4 x MLAN 1 x CMC LAN
<b>Storage</b>	Per node: 6 x 2.5" U.2/ SATA hot-swap drives Total: 24 x 2.5" U.2/ SATA hot-swap drives	Per node: 2 x 2.5" U.2/ SATA hot-swap drives Total: 8 x 2.5" U.2/ SATA hot-swap drives	Per node: 2 x 2.5" U.2/ SATA hot-swap drives Total: 8 x 2.5" U.2/ SATA hot-swap drives
<b>Expansion Slots</b>	Per node: 2 x PCIe x16 (4.0 x16), HHHL 1 x OCP 2.0 mezzanine (3.0 x8) Total: 8 x PCIe x16 (4.0 x16), HHHL 4 x OCP 2.0 mezzanine (3.0 x8)	Per node: 2 x PCIe x16 (4.0 x16), HHHL 1 x OCP 2.0 mezzanine (3.0 x8) Total: 8 x PCIe x16 (4.0 x16), HHHL 4 x OCP 2.0 mezzanine (3.0 x8)	Per node: 2 x PCIe x16 (4.0 x16), HHHL 1 x OCP 2.0 mezzanine (3.0 x8) Total: 8 x PCIe x16 (4.0 x16), HHHL 4 x OCP 2.0 mezzanine (3.0 x8)
<b>Front I/O</b>	-	-	-
<b>Rear I/O</b>	Per node: 2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN Total: 8 x USB 3.0 4 x VGA 8 x RJ45 4 x MLAN 1 x CMC LAN	Per node: 2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN Total: 8 x USB 3.0 4 x VGA 8 x RJ45 4 x MLAN 1 x CMC LAN	Per node: 2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN Total: 8 x USB 3.0 4 x VGA 8 x RJ45 4 x MLAN 1 x CMC LAN
<b>Power Supply</b>	2+0 2200W PSUs 80 PLUS Platinum, 100~240V AC	2+0 2200W PSUs 80 PLUS Platinum, 100~240V AC	2+0 2200W PSUs 80 PLUS Platinum, 100~240V AC
<b>Board Management</b>	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2500 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console
<b>Part Numbers</b>	6NH262NO0MR-00	6NH262PC0MR-00	6NH262PC1MR-00





## H262-NO1

## H262-PC2

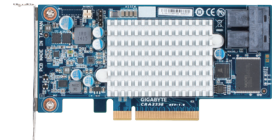
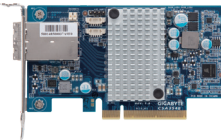
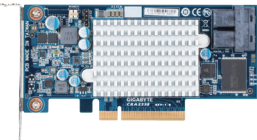
## H252-3C0

<b>Form Factor</b>	2U 4-node rear access system (W440 x H87.5 x D840 mm) Dual ROM Architecture support	2U 4-node rear access system (W440 x H87.5 x D840 mm) Dual ROM Architecture supported	2U 4-node rear access system (W440 x H87.5 x D695 mm) Dual ROM Architecture support
<b>Processor</b>	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable	3rd Gen. Intel Xeon Scalable
<b>Chipset</b>	Intel C621A	Intel C621A	Intel C621A
<b>Socket</b>	Per Node: 2 x LGA 4189 Total: 8 x LGA 4189 (Socket P+)	Per Node: 2 x LGA 4189 Total: 8 x LGA 4189 (Socket P+)	Per Node: 1 x LGA 4189 Total: 4 x LGA 4189 (Socket P+)
<b>Memory</b>	Per node: 16 x DIMM slots Total: 64 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	Per node: 16 x DIMM slots Total: 64 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz	Per node: 8 x DIMM slots Total: 32 x DIMM slots 8-Channel DDR4 memory Speed up to 3200 MHz
<b>Networking</b>	Per node: 1 x MLAN Total: 4 x MLAN 1 x CMC LAN	Per node: 1 x MLAN Total: 4 x MLAN 1 x CMC LAN	Per node: 2 x 1GbE LAN (Intel I350-AM2) 1 x MLAN Total: 8 x 1GbE LAN 4 x MLAN 1 x CMC LAN
<b>Storage</b>	Per node: 6 x 2.5" U.2/ SATA hot-swap drives Total: 24 x 2.5" U.2/ SATA hot-swap drives	Per node: 2 x 2.5" U.2/ SATA hot-swap drives Total: 8 x 2.5" U.2/ SATA hot-swap drives	Per node: 3 x 3.5" SATA/SAS hot-swap drives Total: 12 x 3.5" SATA/SAS hot-swap drives
<b>Expansion Slots</b>	Per node: 2 x PCIe x16 (4.0 x16), HHHL 1 x OCP 3.0 mezzanine (4.0 x16) Total: 8 x PCIe x16 (4.0 x16), HHHL 4 x OCP 3.0 mezzanine (4.0 x16)	Per node: 2 x PCIe x16 (4.0 x16), HHHL 1 x OCP 3.0 mezzanine (4.0 x16) Total: 8 x PCIe x16 (4.0 x16), HHHL 4 x OCP 3.0 mezzanine (4.0 x16)	Per node: 2 x PCIe x16 (4.0 x16), HHHL 1 x OCP 2.0 mezzanine (3.0 x8) Total: 8 x PCIe x16 (4.0 x16), HHHL 4 x OCP 2.0 mezzanine (3.0 x8)
<b>Front I/O</b>	-	-	-
<b>Rear I/O</b>	Per node: 2 x USB 3.0 1 x VGA 1 x MLAN Total: 8 x USB 3.0 4 x VGA 4 x MLAN 1 x CMC LAN	Per node: 2 x USB 3.0 1 x VGA 1 x MLAN Total: 8 x USB 3.0 4 x VGA 4 x MLAN 1 x CMC LAN	Per node: 2 x USB 3.0 1 x VGA 2 x RJ45 1 x MLAN Total: 8 x USB 3.0 4 x VGA 8 x RJ45 4 x MLAN 1 x CMC LAN
<b>Power Supply</b>	2+0 2200W PSUs 80 PLUS Platinum, 100-240V AC	2+0 2200W PSUs 80 PLUS Platinum, 100-240V AC	2+0 1600W PSUs 80 PLUS Platinum, 100-240V AC
<b>Board Management</b>	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2600 BMC GIGABYTE Management Console	ASPEED AST2500 BMC GIGABYTE Management Console
<b>Part Numbers</b>	6NH262NO1MR-00	6NH262PC2MR-00	6NH2523C0MR-00

# Storage Adapter

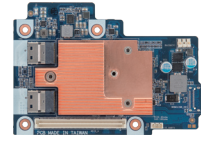
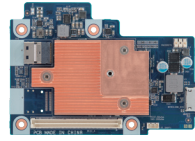
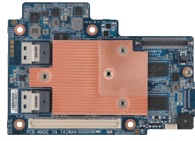
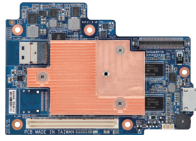


	CRA4448	CRA4548	CRA4648
<b>I/O</b>	2 x internal Mini-SAS HD SFF8643 connectors for up to 8 x SAS 12Gb/s ports Up to 32 x physical devices supported via expander Supports SAS / Enterprise SATA hard drives	1 x internal Mini-SAS HD SFF8643 connector for up to 4 x SAS 12Gb/s ports 1 x external Mini-SAS HD SFF8644 connector Up to 240 x physical devices supported Supports SAS / Enterprise SATA hard drives	2 x internal Mini-SAS HD SFF8643 connectors for up to 8 x SAS 12Gb/s ports Up to 240 x physical devices supported via expander Supports SAS / Enterprise SATA hard drives
<b>Controller</b>	Broadcom SAS3108	Broadcom SAS3108	Broadcom SAS3108
<b>RAID</b>	HW RAID 0/ 1/ 5/ 6/ 10/ 50/ 60 2GB DDR3 cache memory	HW RAID 0/ 1/ 5/ 6/ 10/ 50/ 60 2GB DDR3 cache memory	HW RAID 0/ 1/ 5/ 6/ 10/ 50/ 60 2GB DDR3 cache memory
<b>Interface</b>	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
<b>Format</b>	Half-length low profile card	Half-length low profile card	Half-length low profile card
<b>Dimension</b>	168 x 68.9 mm	168 x 68.9 mm	168 x 68.9 mm
<b>Part Numbers</b>	9CRA4448NR-00	9CRA4548NR-00	9CRA4648NR-00

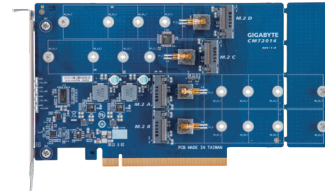


	CRA3338	CSA3548	CSA4648
<b>I/O</b>	2 x internal Mini-SAS HD SFF8643 connectors for up to 8 x SAS 12Gb/s ports Supports SAS / Enterprise SATA hard drives	2 x external Mini-SAS HD SFF8644 connectors Up to 1024 x physical devices supported via SAS expander Supports SAS / Enterprise SATA hard drives	2 x internal Mini-SAS HD SFF8643 connectors for up to 8 x SAS 12Gb/s ports Up to 1024 x physical devices supported via SAS expander Supports SAS / Enterprise SATA hard drives
<b>Controller</b>	Broadcom SAS3008	Broadcom SAS3008	Broadcom SAS3008
<b>RAID</b>	RAID 0/1/1E/10, Integrated RAID (IR) IT mode: Up to 1024 physical devices supported	IT mode: Up to 1024 physical devices supported	IT mode: Up to 1024 physical devices supported
<b>Interface</b>	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
<b>Format</b>	Half-length low profile card	Half-length low profile card	Half-length low profile card
<b>Dimension</b>	167.6 x 64.4 mm	120 x 64.4 mm	167.6 x 64.4 mm
<b>Part Numbers</b>	9CRA3338NR-00	9CSA3548MR-00	9CSA4648NR-00

# Storage Adapter

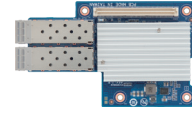
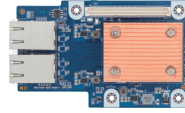
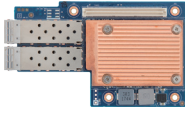


	CRAO558	CRAO438	CRAO358	CRAO338
<b>I/O</b>	1 x internal SlimSAS for up to 4 x SAS 12Gb/s 1 x external OCUlink for JBOD Up to 240 x physical devices supported via SAS expander	2 x internal SlimSAS for up to 8 x SAS 12Gb/s Up to 32 x physical devices supported via expander	1 x internal SlimSAS for up to 4 x SAS 12Gb/s 1 x external OCUlink for JBOD up to 14 SAS/ SATA devices	2 x internal SlimSAS for up to 8 x SAS 12Gb/s Up to 14 x physical devices supported via expander
<b>Controller</b>	Broadcom SAS3108	Broadcom SAS3108	Broadcom SAS3008	Broadcom SAS3008
<b>RAID</b>	HW RAID 0/ 1/ 5/ 6/ 10/ 50/ 60 2GB DDR3 1866 cache memory	HW RAID 0/ 1/ 5/ 6/ 10/ 50/ 60 2GB DDR3 cache memory	SW RAID 0/ 1/ 1E/ 10 IR RAID	SW RAID 0/ 1/ 1E/ 10 IR RAID
<b>Interface</b>	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8	PCIe 3.0 x8
<b>Format</b>	OCP mezzanine (Type1)	OCP mezzanine (Type1)	OCP mezzanine (Type1)	OCP mezzanine (Type1)
<b>Dimension</b>	110.85 x 78 mm	110.85 x 78 mm	110.85 x 78 mm	110.85 x 78 mm
<b>Part Numbers</b>	9CRAO558NR-00	9CRAO438NR-00	9CRAO358NR-00	9CRAO338NR-00

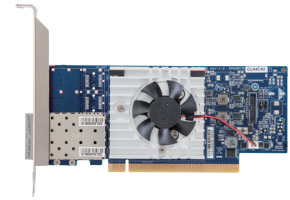
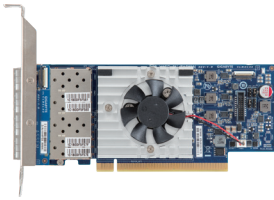


	CMT4032	CMT4034	CMT2014
<b>I/O</b>	2 x M.2 sockets: Socket 3, M key Type 2280/ 22110 PCIe SSD supports only	4 x M.2 sockets: Socket 3, M key Type 2280/ 22110 PCIe SSD supports only	4 x M.2 sockets: Socket 3, M key Type 2242/ 2260/ 2280/ 22110 PCIe SSD supports only
<b>Controller</b>	-	-	-
<b>Interface</b>	PCIe 3.0 x8	PCIe 3.0 x16	PCIe 3.0 x16
<b>Format</b>	PCIe type, low profile	PCIe type, low profile	PCIe type, full height
<b>Dimension</b>	150 x 68.9mm	150 x 68.9mm	210 x 130mm
<b>Part Numbers</b>	9CMT4032NR-00	9CMT4034NR-00	9CMT2014NR-00

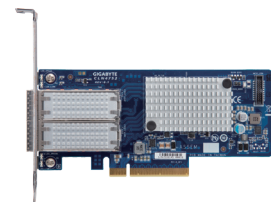
# LAN Adapter



	CLNOQ42	CLNO222	CLNO832
<b>I/O</b>	2 x SFP28 LAN ports Supports 25Gb/s per port	2 x 10GBASE-T RJ45 LAN ports Supports 10Gb/s, 1Gb/s per port	2 x SFP+ LAN ports Supports 10Gb/s per port
<b>Controller</b>	Marvell FastLinQ QL41202-A2G	Intel X550-AT2	Intel 82599ES
<b>Interface</b>	PCIe 3.0 x8	PCIe 3.0 x4	PCIe 2.0 x8
<b>Format</b>	OCP 2.0 mezzanine (Type1)	OCP 2.0 mezzanine (Type1)	OCP 2.0 mezzanine (Type1)
<b>Dimension</b>	115 x 67 mm	115 x 67 mm	115 x 67 mm
<b>Part Numbers</b>	9CLNOQ42NR-00	9CLNO222NR-00	9CLNO832NR-00

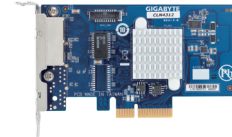
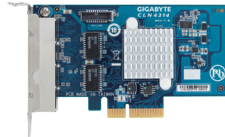
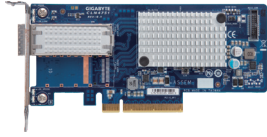


	CLN4M34	CLN4C44	CLN4C42
<b>I/O</b>	4 x SFP28 LAN ports Supports 10Gb/s per port	4 x SFP28 LAN Supports 25Gb/s per port	2 x SFP28 LAN ports Supports 25Gb/s per port
<b>Controller</b>	2 x Mellanox ConnectX-4	Mellanox ConnectX-4	Mellanox ConnectX-4
<b>Interface</b>	PCIe 3.0 x16	PCIe 3.0 x16	PCIe 3.0 x16
<b>Format</b>	MD2 low profile type	MD2 low profile type	MD2 low profile type
<b>Dimension</b>	160 x 68.9 mm	160 x 68.9 mm	160 x 68.9 mm
<b>Part Numbers</b>	9ALN4M34NR-00	9ALN4C44NR-00	9CLN4C42NR-00

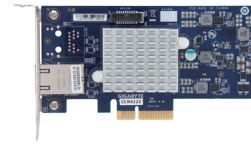
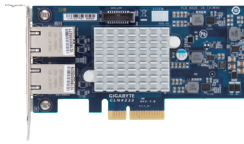
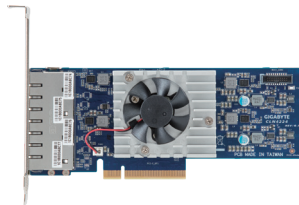


	CLN4832	CLN4831	CLN4752
<b>I/O</b>	2 x SFP+ LAN Supports 10Gb/s per port	1 x SFP+ LAN Supports 10Gb/s per port	2 x QSFP+ LAN Supports 40Gb/s, 10Gb/s, 1Gb/s per port
<b>Controller</b>	Intel 82599ES	Intel 82599EN	Intel XL710-BM2
<b>Interface</b>	PCIe 2.0 x8	PCIe 2.0 x8	PCIe 3.0 x8
<b>Format</b>	Half-length low profile	Half-length low profile	Half-length low-profile
<b>Dimension</b>	143 x 68.9 mm	143 x 68.9 mm	148.5 x 68.9 mm
<b>Part Numbers</b>	9CLN4832NR-00	9CLN4831NR-00	9CLN4752NR-00

# LAN Adapter

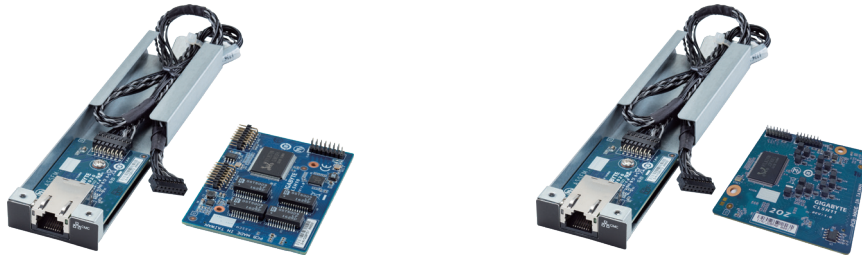


	CLN4751	CLN4314	CLN4312
<b>I/O</b>	1 x QSFP+ LAN Supports 40Gb/s, 10Gb/s, 1Gb/s per port	4 x 1000BASE-T RJ45 LAN Supports 1Gb/s, 100Mb/s per port	2 x 1000BASE-T RJ45 LAN Supports 1Gb/s, 100Mb/s per port
<b>Controller</b>	Intel XL710-BM1	Intel I350-AM4	Intel I350-AM2
<b>Interface</b>	PCIe 3.0 x8	PCIe 2.0 x4	PCIe 2.0 x4
<b>Format</b>	Half-length low profile	Half-length low-profile	Half-length low profile
<b>Dimension</b>	148.5 x 68.9 mm	120 x 68.9 mm	120 x 68.9 mm
<b>Part Numbers</b>	9CLN4751NR-00	9CLN4314NR-00	9CLN4312NR-00



	CLN4224	CLN4222	CLN4121
<b>I/O</b>	4 x 10G BASE-T RJ45 LAN Supports 10Gb/s, 1Gb/s per port	2 x 10G BASE-T RJ45 LAN Supports 10Gb/s, 1Gb/s per port	1 x 10GBASE-T RJ45 LAN Supports 10Gb/s, 1Gb/s per port
<b>Controller</b>	2 x Intel X550-AT2	Intel X550-AT2	Intel X550-AT
<b>Interface</b>	PCIe 3.0 x8	PCIe 3.0 x4	PCIe 3.0 x4
<b>Format</b>	Half-length low profile	Half-length low-profile	Half-length low profile
<b>Dimension</b>	168 x 68.9 mm	131 x 68.9 mm	131 x 68.9 mm
<b>Part Numbers</b>	9CLN4224NR-00	9CLN4222NR-00	9CLN4121NR-00

# Management Module



## Ring Topology Kit - 1

## Ring Topology Kit - 2

<b>I/O</b>	1 x GbE LAN management port	1 x GbE LAN management port
<b>Controller</b>	Realtek RTL8370N-VB Realtek RTL8211E-VB	Realtek RTL8370N-VB Realtek RTL8211E-VB
<b>Interface</b>	-	-
<b>Format</b>	-	-
<b>Dimension</b>	CLSH10: 76x54mm CLBH020: 66x38mm	CLSH11: 64x64mm CLBH020: 66x38mm
<b>Part Numbers</b>	6NH23NR48SR-00	6NH262Z65SR-00

# Security Module



## CTM010

## CTM000

## GC-MUFL

<b>I/O</b>	-	-	-
<b>Controller</b>	Infineon SLB9670VQ2	Infineon SLB9665TT2.0	Infineon SLB9635TT1.2
<b>Interface</b>	Serial Peripheral Interface 2 x 7 pin	Low pin count interface 2 x 7 pin	Low pin count interface 2 x 7 pin
<b>Format</b>	-	-	-
<b>Dimension</b>	20 x 15 (mm)	20 x 15 (mm)	20 x 15 (mm)
<b>Part Numbers</b>	9CTM010NR-00	9CTM000NR-00	9CMUFLNR-00

# Global After Sales Service & Support

GIGABYTE can provide the following expert services to give our customers total peace of mind:



## Multi-level, multilingual telephone & online technical support

Current services provided (additional services / locations can be provided on request):

Country	Service
<b>Global</b>	eSupport portal: <a href="https://esupport.gigabyte.com">https://esupport.gigabyte.com</a> Live online chat: <a href="https://www.gigabyte.com/Support">https://www.gigabyte.com/Support</a>
<b>Taiwan</b>	9/5 general support hotline: 0800-079-800 Optional 24/7 technical support hotline available Live online chat: <a href="https://www.gigabyte.com/tw/Support">https://www.gigabyte.com/tw/Support</a>
<b>Malaysia</b>	24/7 support hotline
<b>USA</b>	9/5 support hotline: 1-(626)-854-9338 option 4 RMA portal: <a href="http://rma.gigabyte.us/">http://rma.gigabyte.us/</a>
<b>Europe</b>	9/5 support hotline (via Stortrec): +44 1256 300 809 (English, French, German, Italian, Spanish)

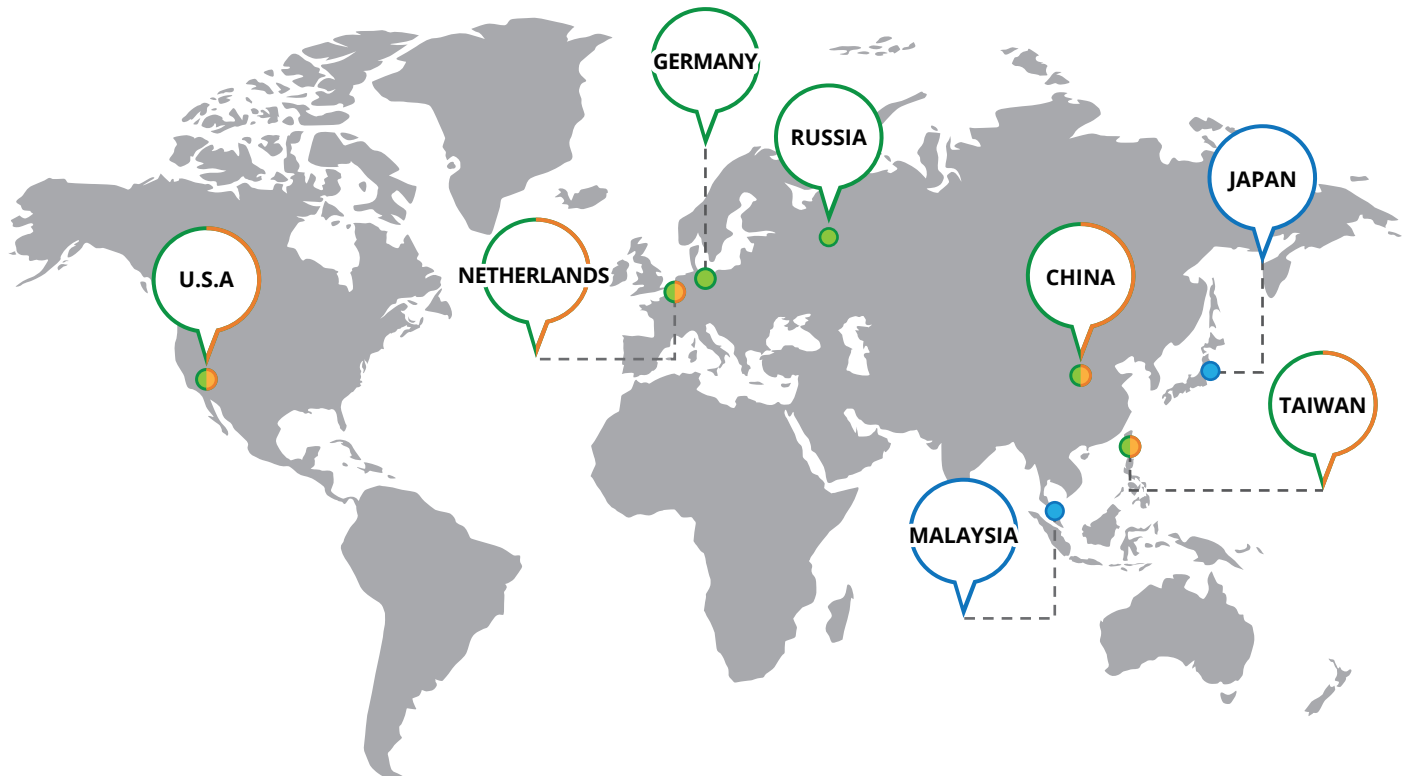


## Globally located RMA & repair centers, onsite technical support services



## Reverse logistics, product warehousing and component storage solutions

GIGABYTE's after sales service and support network specializing in server products currently features 8 physical locations in 6 different countries as well as additional locations / countries provided by authorized partners. There is also the potential to utilize GIGABYTE's existing service and support network by request, which includes an additional 60 physical repair & support centers located in 12 additional countries.



● Logistics Hub

● RMA / Repair Center

● Authorized Partner Repair Center / Field Service

\* Optional Per Sales Condition / Agreement



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