**R282-G30**

*Intel Xeon Rack Server - 2U 12-Bay GPU & NVMe sku*

### Features

- Supports up to 3 x double slot GPU cards
- 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- Dual ROM technology supported
- 2 x 1Gb/s LAN ports (Intel® (350-AM2)
- 1 x Dedicated management port
- 8 x 3.5" SATA/SAS hot-swappable HDD/SSD bays
- 4 x 3.5" SATA/SAS/NVMe hot-swappable HDD/SSD bays
- 5 x PCIe Gen4 x16 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 2400W (240V) 80 PLUS Platinum redundant power supply

### Specification

<table>
<thead>
<tr>
<th>Dimension</th>
<th>2U (438 x 43.5 x 730 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motherboard</td>
<td>MR92-F51</td>
</tr>
<tr>
<td>CPU</td>
<td>3rd Gen Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor 10nm technology, CPU TDP up to 270W 2 x LGA 4189 sockets (Socket P+)</td>
</tr>
<tr>
<td>Chipset</td>
<td>Intel® C621A Express chipset</td>
</tr>
<tr>
<td>Memory</td>
<td>8-Channel DDR4 memory, 32 x DIMMs slots RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported 1.2V modules: 3200/2933/2666 MHz</td>
</tr>
<tr>
<td>LAN</td>
<td>2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN</td>
</tr>
<tr>
<td>Video</td>
<td>Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32pp, DDR4 SDRAM</td>
</tr>
<tr>
<td>Storage</td>
<td>8 x 3.5&quot;/2.5&quot; SATA/SAS hot-swap HDD/SSD bays 4 x 3.5&quot;/2.5&quot; SATA/SAS/G4 NVMe hot-swap HDD/SSD bays SAS card is required for SAS devices support</td>
</tr>
<tr>
<td>RAID</td>
<td>RAID Level depends on SAS Card</td>
</tr>
<tr>
<td>Expansion Slots</td>
<td>3 x PCIe x16 slot (Gen4 x16), FHFL 2 x PCIe x16 slot (Gen4 x16), FHHL 1 x OCP 3.0 mezzanine slot (Gen4 x16) - Supported NCISI function 1 x OCP 2.0 mezzanine slot (Gen3 x8) - Supported NCISI function</td>
</tr>
</tbody>
</table>

### Power Supply

1+1 2400W (240V) 80 PLUS Platinum redundant power supply

### System Management

Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)

### OS Compatibility

- Windows Server 2016 / 2019
- RHEL 8.2 (x64) / 8.3 (x64) or later
- SLES 12 SP5 (x64) / 15 SP2 (x64) or later
- Ubuntu 20.04 LTS (x64) / 20.04.1 LTS (x64) or later
- VMware ESXi 6.7 Update3 P03 / 7.0 Update2
- Citrix Hypervisor 8.2.0

### System Fans

4 x 80x80x38mm (16’300rpm)

### 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)

### Packaging

- 1 x R282-G30, 2 x CPU heatsinks
- 1 x Rail kit

### Reference Numbers

- Barebone package: 6NR282G30MR-00
- - Motherboard: 9MR92FS1MR-00
- - Rail kit: 25HB2-3A0202-K0R
- - CPU heatsink: 25ST1-432024-M1R
- - VROC module: 25FD0-R181N0-10R (in option)

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

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