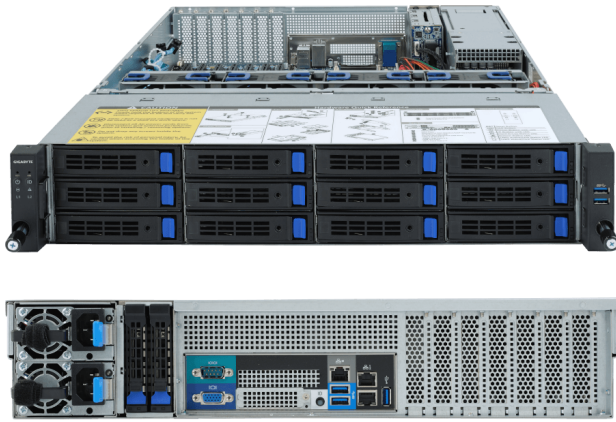


# R272-Z30 (Rev. A00/AT0)

Rack Server - AMD EPYC™ 7003/7002 Series Processors -  
2U UP 12+2-Bay SATA/SAS



## Key Features

- Single AMD EPYC™ 7003/7002 Series processors
- 8-Channel DDR4 RDIMM/LRDIMM per CPU with 16 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 4 x 3.5"/2.5" SATA/SAS hot-swap bays
- 8 x 3.5"/2.5" SATA/SAS hot-swap bays (**optional**)
- 2 x 2.5" SATA/SAS hot-swap bays on the rear side
- 2 x M.2 slots with PCIe Gen3 x4
- 4 x LP PCIe Gen4 x16 and x8 slots
- 2 x LP PCIe Gen3 x16 and x8 slots
- 1 x OCP 2.0 PCIe Gen3 x16 mezzanine slot
- Dual 800 W 80 PLUS Platinum redundant power supplies (**-A00**)
- Dual 850 W 80 PLUS Titanium redundant power supplies (**-AT0**)

## Applications

Networks Server, Servers for Hybrid/Private Cloud...

## Specification

|                    |                                                                                                                                                                                                                                                                                                                                            |                              |                                                                                                                                                                                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>  | 2U (W438 x H87.5 x D660 mm)                                                                                                                                                                                                                                                                                                                | <b>PCIe Expansion Slots</b>  | 3 x LP x16 (Gen4 x16)<br>1 x LP x16 (Gen4 x8)<br>1 x LP x16 (Gen3 x16 or x8)<br>1 x LP x8 (Gen3 x0 or x8)<br><br>1 x OCP 2.0 mezzanine (Gen3 x16)                                                                                                          |
| <b>Motherboard</b> | MZ32-AR0                                                                                                                                                                                                                                                                                                                                   | <b>I/O Ports</b>             | <b>Front:</b><br>2 x USB 3.0<br><b>Rear:</b><br>3 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN                                                                                                                                                                   |
| <b>CPU</b>         | AMD EPYC™ 7003 Series processors<br>AMD EPYC™ 7002 Series processors<br>Single processor, cTDP up to 280 W                                                                                                                                                                                                                                 | <b>TPM</b>                   | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010                                                                                                                                                                                                         |
| <b>Socket</b>      | 1 x LGA 4094 (Socket SP3)                                                                                                                                                                                                                                                                                                                  | <b>Power Supply</b>          | Dual 800 W 80 PLUS Platinum redundant power supplies ( <b>-A00</b> )<br>Dual 850 W 80 PLUS Titanium redundant power supplies ( <b>-AT0</b> )<br>AC Input: 100-240 V<br><br>*Select 1200 W power supply if using 280 W CPU with full loading configuration. |
| <b>Chipset</b>     | System on Chip                                                                                                                                                                                                                                                                                                                             | <b>System Fans</b>           | 4 x 80x80x38mm                                                                                                                                                                                                                                             |
| <b>Memory</b>      | 8-Channel DDR4 RDIMM/LRDIMM, 16 x DIMMs<br>Up to 3200/2933 MT/s                                                                                                                                                                                                                                                                            | <b>Operating Properties</b>  | Operating: 10°C to 35°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)                                                                                                                                           |
| <b>LAN</b>         | 2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI<br>1 x 10/100/1000 Mb/s Management LAN                                                                                                                                                                                                                                                  | <b>Packaging Content</b>     | 1 x R272-Z30<br>1 x CPU heatsink<br>1 x 2-Section Rail kit                                                                                                                                                                                                 |
| <b>Video</b>       | Integrated in ASPEED® AST2500<br>- 1 x VGA port                                                                                                                                                                                                                                                                                            | <b>Ordering Part Numbers</b> | 6NR272Z30MR-00-A*                                                                                                                                                                                                                                          |
| <b>Storage</b>     | <b>Front hot-swap:</b><br>4 x 3.5"/2.5" SATA/SAS <sup>[1]</sup><br>8 x 3.5"/2.5" SATA/SAS <sup>[1]</sup> , from <b>optional</b> SAS HBA<br><b>Rear hot-swap:</b><br>2 x 2.5" SATA/SAS <sup>[1]</sup><br><b>Internal M.2:</b><br>2 x M.2 (2242/2260/2280), PCIe Gen3 x4<br><br><sup>[1]</sup> SAS card is required for SAS devices support. | <b>Optional Parts</b>        | - 4 x U.2 kit: 6NR272Z3BSR-00*<br>- Power cord 125 V/15 A (JP): 25CPA-018304-Q0R<br>- 3-Section Rail kit (Supports CMA): 25HB2-AA6105-K0R<br>- Cable Management Arm: 25HB1-R18300-K0R                                                                      |



Learn more at: <https://www.gigabyte.com/Enterprise>

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