

# R183-SF1-AAJ1

Rack Server - 1U DP 1-GPU 12-Bay NVMe/SATA



## Features

- Supports 1 x Dual slot Gen5 GPU card
- 4th Gen Intel® Xeon® Scalable Processors
- Intel® Xeon® CPU Max Series
- Dual processor, LGA 4677
- 8-Channel RDIMM DDR5 per processor, 32 x DIMMs
- Dual ROM Architecture
- 1 x Dedicated management port
- 12 x 2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays
- 1 x FHFL PCIe Gen5 x16 slot for GPUs
- 1 x FHFL PCIe Gen5 x16 slot
- 1 x FHHL PCIe Gen5 x16 slot
- 1 x OCP 3.0 Gen5 x16 slot
- 1+1 2000W 80 PLUS Titanium redundant power supplies

## Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D815 mm)	<b>Backplane I/O</b>	PCIe Gen5 x4 or SATA 6Gb/s or SAS4 24Gb/s
<b>Motherboard</b>	MSF3-GP0	<b>TPM</b>	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
<b>CPU</b>	4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, CPU TDP up to 350W 2 x LGA4677 Socket E	<b>Power Supply</b>	1+1 2000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
<b>Chipset</b>	Intel® C741 Chipset	<b>System Management</b>	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	32 x DIMM slots, 8-Channel DDR5, Up to 4800 MHz (1DPC), 4400 MHz (2DPC) RDIMM modules up to 96GB supported 3DS RDIMM modules up to 256GB supported	<b>OS Compatibility</b>	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 Ubuntu 22.04 / 22.04.1 / 22.04.2 / 22.04.3 LTS(x64) VMware ESXi 7.0 Update 3i / 8.0 / 8.0 Update 1 Citrix Hypervisor 8.2 LTSR CU1
<b>LAN</b>	1 x 10/100/1000 management LAN	<b>System Fans</b>	1 x 40x40x28mm (34,000rpm) 8 x 40x40x56mm (32,000rpm)
<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 30°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>	12 x 2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays SAS card is required for SAS devices support	<b>Packaging Content</b>	1 x R183-SF1, 2 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 6 x Carrier clips, 1 x 2-Section Rail kit
<b>Expansion Slots</b>	1 x FHFL PCIe Gen5 x16 slot for GPUs 1 x FHFL PCIe Gen5 x16 slot (occupied when dual-slot GPU is installed) 1 x FHHL PCIe Gen5 x16 slot 1 x OCP 3.0 Gen5 x16 slot	<b>Reference Numbers</b>	Barebone package: 6NR183SF1DR000AAJ1* - Motherboard: 9MSF3GP0UR-000 - 2-Section Rail kit (CMA not supported): 25HB2-3A0206-K0R - CPU heatsink: 25ST1-4Z3200-S7R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-22000J-G1S
<b>Front I/O</b>	2 x USB 3.2 Gen1		
<b>Rear I/O</b>	2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN		



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

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