

# R123-C00

## Rack Server - 1U UP 4-Bay SATA



### Features

- AMD EPYC™ 4004 / Ryzen™ 7000 Series Processors
- Single processor, 5nm technology
- Dual Channel ECC/Non-ECC DDR5 UDIMM, 4 x DIMMs
- 2 x 1Gb/s LAN ports
- 1 x Dedicated management port
- 4 x 3.5"/2.5" SATA hot-swappable bays
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 1 x FHHL PCIe Gen5 x16 slot
- 2 x LP PCIe Gen4 x4 slots
- Single 400W 80 PLUS Gold power supply

### Specification

<b>Dimensions</b>	1U (W430 x H43.5 x D536 mm)	<b>Backplane Board</b>	Speed and bandwidth: SATA 6Gb/s
<b>Motherboard</b>	MC03-CE0	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>CPU</b>	AMD EPYC™ 4004 Series Processors AMD Ryzen™ 7000 Series Processors Single processor, 5nm technology TDP up to 105W	<b>Power Supply</b>	Single 400W 80 PLUS Gold power supply Optional 500W 80 PLUS Gold power supply AC Input: 100-240V
<b>Socket</b>	1 x AM5	<b>System Management</b>	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Chipset</b>	AMD B650E	<b>OS Compatibility</b>	<b>EPYC 4004 Series:</b> Ubuntu 22.04 / Ubuntu 24.04 Windows Server 2022 <b>Ryzen 7000 Series:</b> Windows 10 21H2 / Windows 11
<b>Memory</b>	2-Channel DDR5 memory, 4 x DIMM slots DIMM modules up to 32GB supported ECC Unbuffered DIMM 1Rx8/2Rx8 modules supported Non-ECC Unbuffered DIMM 1Rx8/2Rx8/1Rx16 modules supported Memory speed: Up to 5200 MT/s (1DPC), 3600 MT/s (2DPC)	<b>System Fans</b>	6 x 40x40x28mm (25,000rpm)
<b>LAN</b>	2 x 1Gb/s LAN ports (2 x Broadcom® BCM5720) - Support NCSI 1 x 10/100/1000 management LAN	<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>Video</b>	Integrated in ASPEED® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>Packaging Content</b>	1 x R123-C00, 1 x CPU heatsink, 1 x 2-Section Rail kit
<b>Storage</b>	4 x 3.5"/2.5" SATA/SAS hot-swappable bays SATA supported only; RAID 0/1/10	<b>Reference Numbers</b>	Barebone package (EPYC/Ryzen): 6NR123C00DR000AB01* Barebone package (Ryzen): 6NR123C00DR000AA01* - Motherboard: 9MC03CE0NR-000 - 2-Section Rail kit: 25HB2-3A6101-K0R - CPU heatsink: 25ST1-313101-M1R - Power supply (400W): 25EP0-2400W3-F3S - Power supply (500W): 25EP0-20500D-F3S (Optional)
<b>Expansion Slots</b>	1 x FHHL PCIe Gen5 x16 slot 2 x LP PCIe Gen4 x4 slots 1 x M.2 slot: M-key, PCIe Gen4 x4, supports 2280/22110 cards		
<b>Front I/O</b>	2 x USB 3.2 Gen1		
<b>Rear I/O</b>	2 x USB 3.2 Gen1, 1 x COM, 1 x VGA, 2 x RJ45, 1 x MLAN		



Learn more about GIGABYTE server at <https://www.gigacomputing.com>

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