THINKMATE

Gigabyte R282-Z94

My System December 2nd, 1:37 pm EST

Thinkmate Config ID 615263

Configured Price: **$34,274.75 CAD**

Selection Summary

Barebone	Gigabyte Server R282-Z94 - 2U - AMD EPYC 7003 - 24x U.2 Gen4 NVMe - Dual-Port Ethernet - 1600W Redundant
Processor	2 x AMD EPYC™ 7763 Processor 64-core 2.45GHz 256MB Cache (280W)
Memory	16 x 64GB PC4-25600 3200MHz DDR4 ECC RDIMM
U.2/U.3 NVMe Drive	7.68TB Samsung PM9A3 Series U.2 PCIe 4.0 x4 NVMe Solid State Drive
Trusted Platform Module	Gigabyte CTM010 - Trusted Platform Module - TPM 2.0 - SPI
Cables	2 x IEC320 C13 to C14 Power Cable - 16AWG - 250V/13A - 2ft / 0.6M (TAA Compliant)
Operating System	No Operating System
Warranty	4 Year Advanced Parts Replacement Warranty and NBD Onsite Service (Zone 0)

Tech Specs

Barebone

Memory Technology	DDR4 ECC Registered
Chipset	System on Chip
Form Factor	2U
Color	Black
Memory Slots	32x 288-pin DIMM Sockets
Graphics	Aspeed AST2500 BMC
Ethernet	Dual-Port Intel i350 Gigabit Ethernet LAN Dedicated Management LAN port
Power	Redundant 1600W AC-DC Power Supply
External Bays	24 x 2.5" NVMe Gen 4 hot-swappable U.2 bays Rear side: 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays from onboard SATA ports
M.2	1 M.2 PCIe 4.0 x4 Form Factor: 2242/2260/2280/22110 Key: M-Key CPU TDP is limited to 225W if using M.2 device
Expansion Slots	Riser Card CRS2014: - 1 x PCIe x16 slot (Gen4 x16), Occupied by CNV3134, 4 x NVMe HBA Riser Card CRS2033: - 1 x PCIe x16 slot (Gen4 x16), FHHL - 1 x PCIe x8 slot (Gen4 x8), FHHL, Occupied by CNV3132, 2 x NVMe HBA - 1 x PCIe x8 slot (Gen4 x8), FHHL Riser Card CRS3132: - 1 x PCIe x16 slot (Gen4 x16), FHHL, Occupied by CNV3134, 4 x NVMe HBA - 1 x PCIe x8 slot (Gen4 x8), FHHL, Occupied by CNV3132, 2 x NVMe HBA - 1 x PCIe x8 slot (Gen4 x8), FHHL, Occupied by CNV3132, 2 x NVMe HBA 1 x OCP 3.0 mezzanine slot with PCIe Gen4 x16 bandwidth from CPU_0 Occupied by CNV9134, 4 x NVMe HBA 1 x OCP 2.0 mezzanine slot with PCIe Gen4 x8 bandwidth (Type1, P1, P2) Occupied by CNVO132, 2 x NVMe HBA
Front Panel	Power button with LED Reset button ID button with LED HDD LED LAN LEDs NMI button 2 USB 3.0

	System status LED
Back Panel	2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Management LAN port 2 USB 3.0 ports (rear) 1 VGA 1 ID button with LED
Dimensions (WxHxD)	17.2 inches (438 mm) x 3.4 inches (87 mm) x 28.7 inches (730 mm)
NVMe 6.4Gbps Ports	24

Processor

Product Line	EPYC 7003
Socket	SP3
Clock Speed	2.45 GHz
Cores/Threads	64C / 128T
AMD Boost Technology	yes
TDP Wattage	280W

Memory

Technology	DDR4
Type	288-pin DIMM
Capacity	16 x 64 GB
Speed	3200 MHz
Error Checking	ECC
Signal Processing	Registered

U.2/U.3 NVMe Drive

Storage Capacity	7.68TB
Interface	PCIe 4.0 x4 NVMe
Endurance	1x DWPD
Read IOPS	PCIe Gen3: Up to 800K IOPS PCIe Gen4: Up to 1100K IOPS
Write IOPS	PCIe Gen3: Up to 200K IOPS PCIe Gen4: Up to 200K IOPS
Read Speed	PCIe Gen3: Up to 3,500 MB/s PCIe Gen4: Up to 6,900 MB/s
Write Speed	PCIe Gen3: Up to 3,000 MB/s PCIe Gen4: Up to 4,100 MB/s
NAND	Samsung VNAND 3bit MLC

Quotation Date: December 2nd, 2022, 02:39 PM EST. All prices subject to change.

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READY TO BUY?
1-781-440-0699

CONFIGURATION ID
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