THINKMATE

Gigabyte R283-Z92 (rev. AAE3)

My System December 2nd, 1:40 pm EST

Thinkmate Config ID 615265

Configured Price: **$53,331.23 CAD**

Selection Summary

Barebone	Gigabyte Server R283-Z92 Rev AAE3 - 2U AMD EPYC 9004 - 20x 2.5" SAS/SATA + 4x 2.5" Hybrid - Expander - 2 GbE (RJ45) - 2000W Rdt
Processor	2 x AMD EPYC™ 9654 Processor 96-core 2.40GHz 384MB Cache (360W)
Memory	24 x 64GB PC5-38400 4800MHz DDR5 ECC RDIMM
Hard Drive	7.68TB Samsung PM9A3 Series U.2 PCIe 4.0 x4 NVMe Solid State Drive
Controller Card	Broadcom HBA 9500-8i SAS3/SATA 8-Port Tri-Mode Host Bus Adapter - PCIe 4.0 x8
Trusted Platform Module	Gigabyte CTM010 - Trusted Platform Module - TPM 2.0 - SPI
Server Management	Gigabyte Server Manager (GSM), included
Cables	2 x IEC320 C13 to C14 Power Cable - 16AWG - 250V/13A - 2ft / 0.6M (TAA Compliant)
Mounting Rails	Gigabyte Standard Rail Kit for 1U/2U Servers (Square Hole) (Included)
Operating System	No Operating System
Warranty	4 Year Advanced Parts Replacement Warranty and NBD Onsite Service (Zone 0)

Tech Specs

Barebone

Memory Technology	DDR5 ECC Registered
Chipset	System on Chip
Form Factor	2U
Color	Black
Memory Slots	24x 288-pin DIMM Sockets
Graphics	Aspeed AST2600 BMC
Ethernet	Dual-Port Intel i350 Gigabit Ethernet LAN Dedicated Management LAN port
Power	Redundant 2000W AC-DC Power Supply
External Bays	24x 2.5-inch hot-swap drives (front): 4x NVMe/SAS3/SATA3, 20x SAS/SATA 4x 2.5-inch hot-swap SAS/SATA drives (rear)
M.2	2 M.2 PCIe 3.0 x4 1 M.2 PCIe 3.0 x2 Form Factor: 2242/2260/2280/22110 Key: M-Key
Expansion Slots	4 FHHL PCIe 5.0 x16 slots 2 FHHL PCIe 5.0 x8 slots 2 OCP 3.0 slots with PCIe Gen5 x16 bandwidth
Front Panel	2x USB 3.2 Gen1 1x Power button with LED 1x ID button with LED 1x NMI button 1x Reset button 2x LAN activity LEDs 1x HDD activity LED 1x System status LED

Back Panel	2x USB 3.2 Gen1 1x Mini-DP 2x RJ45 1x MLAN 1x ID button with LED
Dimensions (WxHxD)	17.2 inches (438 mm) x 3.40 inches (87 mm) x 32.1 inches (815 mm)
NVMe 6.4Gbps Controller	onboard
NVMe 6.4Gbps Ports	4
SATA 6Gbps AHCI Controller	SOC
SATA 6Gbps AHCI Ports	16

Processor

Product Line	EPYC 9004
Socket	SP5
Clock Speed	2.40 GHz
Cores/Threads	96C / 192T
AMD Boost Technology	yes
TDP Wattage	360W

Memory

Technology	DDR5
Type	288-pin DIMM
Capacity	24 x 64 GB
Speed	4800 MHz
Error Checking	ECC
Signal Processing	Registered

Hard 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

Controller Card

Product Type	SAS Host Bus Adapter
Data Transfer Rate	12Gb/s SAS
Internal Ports	8 Ports
I/O Processor	LSI SAS3808
Max Devices	SAS/SATA: 1024

Quotation Date: December 2nd, 2022, 02:40 PM EST. All prices subject to change.

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READY TO BUY?
1-781-440-0699

CONFIGURATION ID
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THINKMATE

Thinkmate is a world-class provider of custom computer and server equipment since 1986. Our business was formed around assisting our customers in planning, budgeting, and implementing complete solutions. We provide a broad range of customized server, storage and cluster solutions to governments, universities, corporations and high performance computing markets. Our commitment to superior customer service and cutting edge technology has kept us the number one white box server solutions provider for nearly twenty years.