

# THINKMATE

READY TO BUY?  
**1-781-440-0699**

## Gigabyte R283-Z92 (rev. AAE2)

My System January 16th, 10:19 am EST

Thinkmate Config ID 622556



Configured Price: **\$56,572.14 CAD**

### Selection Summary

<b>Barebone</b>	Gigabyte Server R283-Z92 Rev AAE2 - 2U AMD EPYC 9004 - 16x 2.5" SAS/SATA + 8x 2.5" NVMe - 2x M.2 - Dual GbE (RJ45) - 2000W Rdt
<b>Processor</b>	2 x AMD EPYC™ 9654 Processor 96-core 2.40GHz 384MB Cache (360W)
<b>Memory</b>	24 x 64GB PC5-38400 4800MHz DDR5 ECC RDIMM
<b>U.2/U.3 NVMe Drive</b>	2 x 1.92TB Samsung PM9A3 Series U.2 PCIe 4.0 x4 NVMe Solid State Drive (7mm) 12.8TB Kioxia CM6-V Series U.3 PCIe 4.0 x4 NVMe Solid State Drive (SIE)
<b>Network Adapter - OCP</b>	Intel® 100-Gigabit Ethernet Network Adapter E810-CQDA - PCIe 4.0 x16 - OCP 3.0 - 1x QSFP28
<b>Trusted Platform Module</b>	Gigabyte CTM010 - Trusted Platform Module - TPM 2.0 - SPI
<b>Server Management</b>	Gigabyte Server Manager (GSM) (included)
<b>Cables</b>	2 x IEC320 C13 to C14 Power Cable - 16AWG - 250V/13A - 2ft / 0.6M (TAA Compliant)
<b>Mounting Rails</b>	Gigabyte Standard Rail Kit for 1U/2U Servers (Square Hole) (Included)
<b>Operating System</b>	No Operating System
<b>Warranty</b>	4 Year Advanced Parts Replacement Warranty and NBD Onsite Service (Zone 0)

### Tech Specs

#### Barebone

<b>Memory Technology</b>	DDR5 ECC Registered
<b>Chipset</b>	System on Chip
<b>Form Factor</b>	2U
<b>Color</b>	Black
<b>Memory Slots</b>	24x 288-pin DIMM Sockets
<b>Graphics</b>	Aspeed AST2600 BMC
<b>Ethernet</b>	Dual-Port Intel i350 Gigabit Ethernet LAN Dedicated Management LAN port
<b>Power</b>	Redundant 2000W AC-DC Power Supply
<b>External Bays</b>	24x 2.5-inch hot-swap drives (front)
<b>M.2</b>	2 M.2 PCIe 3.0 x4 1 M.2 PCIe 3.0 x2 Form Factor: 2280/22110 Key: M-Key
<b>Expansion Slots</b>	4 FHHL PCIe 5.0 x16 slots 1 OCP 3.0 slot with PCIe Gen5 x16 bandwidth
<b>Front Panel</b>	2x USB 3.2 Gen1 1x Mini-DP 2x RJ45 1x MLAN 1x ID button with LED
<b>Back Panel</b>	2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Management LAN port 2 USB 3.0 ports (rear) 1 VGA 1 ID button with LED

<b>Dimensions (WxHxD)</b>	17.2 inches (438 mm) x 3.40 inches (87 mm) x 32.1 inches (815 mm)
<b>NVMe 6.4Gbps Controller</b>	onboard
<b>NVMe 6.4Gbps Ports</b>	8
<b>SATA 6Gbps AHCI Controller</b>	SOC
<b>SATA 6Gbps AHCI Ports</b>	16
<b>Processor</b>	
<b>Product Line</b>	EPYC 9004
<b>Socket</b>	SP5
<b>Clock Speed</b>	2.40 GHz
<b>Cores/Threads</b>	96C / 192T
<b>AMD Boost Technology</b>	yes
<b>TDP Wattage</b>	360W
<b>Memory</b>	
<b>Technology</b>	DDR5
<b>Type</b>	288-pin DIMM
<b>Capacity</b>	24 x 64 GB
<b>Speed</b>	4800 MHz
<b>Error Checking</b>	ECC
<b>Signal Processing</b>	Registered
<b>U.2/U.3 NVMe Drive</b>	
<b>Storage Capacity</b>	2 x 1.92TB 12.8TB
<b>Interface</b>	PCIe 4.0 x4 NVMe PCIe 4.0 x4 NVMe
<b>Endurance</b>	1x DWPD 3x DWPD
<b>Read IOPS</b>	PCIe Gen3: Up to 800K IOPS PCIe Gen4: Up to 1100K IOPS 1,400,000 IOPS
<b>Write IOPS</b>	PCIe Gen3: Up to 200K IOPS PCIe Gen4: Up to 200K IOPS 325,000 IOPS
<b>Read Speed</b>	PCIe Gen3: Up to 3,500 MB/s PCIe Gen4: Up to 6,900 MB/s 6900 MB/s
<b>Write Speed</b>	PCIe Gen3: Up to 3,000 MB/s PCIe Gen4: Up to 4,100 MB/s 4000 MB/s
<b>NAND</b>	Samsung VNAND 3bit MLC BiCS FLASH™ TLC
<b>Network Adapter - OCP</b>	
<b>Speed</b>	100Gb Ethernet
<b>Connector</b>	QSFP28
<b>Interface</b>	PCIe 4.0 x16

Quotation Date: January 16th, 2023, 10:32 AM EST. All prices subject to change.

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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.