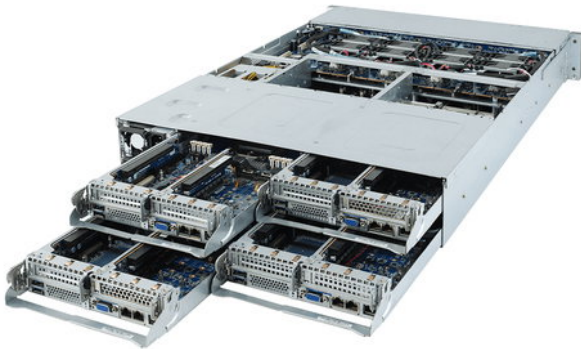




GIGABYTE H252-Z10 Socket SP3 Rack (2U) Black, Steel



Model: 6NH252Z10MR-00

Manufacturer: GIGA-BYTE

EAN: 4719331191139

Product Code: 1028098

R125,380

Architecture for Modern Data Centers

AMD EPYC 7003 Series Processors - "Milan"

GIGABYTE servers and AMD EPYC 7003 Series Processors deliver the highest possible I/O throughput to pave the way for fast communication between CPU and accelerator in HPC and data analytics.

Max Memory Speed Even at 2 DPC

With GIGABYTE unique solution, maximum memory speed is now supported, even when using 2 DIMMS per channel. GIGABYTE's server platforms give you the performance edge, with more memory capacity at faster speeds.

OCP 3.0 Ready

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GIGABYTE's G-,H-,R- series offer servers that feature an onboard OCP 3.0 slot for the next generation of PCIe 4.0 add on cards. Advantages of this new type include:

Easier Serviceability: simply slot in / pull out the card without needing to open the server chassis; tool less design

Larger Thermal Envelope: more space for heat sink provides an increased power budget for new & emerging capabilities

Hardware Security

Hardware-level Root of Trust

Protection is built in the silicon to ensure systems will not be vulnerable to security attacks or cyber threats. This hardware-level root of trust (ROT) helps isolate the system as the boot process starts to make sure a verified code is used.

Optional TPM 2.0 Module

For hardware-based authentication, the passwords, encryption keys, and digital certificates are stored in a TPM module to prevent unwanted users from gaining access to your data. GIGABYTE TPM modules come in either a Serial Peripheral Interface (SPI) or low pin count (LPC) interface.

CMC for Chassis Management & Multi-Node Monitoring

GIGABYTE's H-Series Servers feature a Chassis Management Controller (CMC) for chassis-level management and node-level monitoring by connecting nodes internally via BMC chips integrated on each node. Resulting in only one mLAN connection required to perform monitoring of all four nodes, and results in less Top-of-Rack (ToR) cabling and switch connections.

Multi-Server Management

GIGABYTE's H-Series Servers also feature the ability to create a "ring" connection for monitoring & management of all servers in a rack for greater cost savings and management efficiency.

Power Efficiency

Automatic Fan Speed Control

GIGABYTE servers are enabled with Automatic Fan Speed Control to achieve the best cooling and power efficiency. Individual fan speeds will be automatically adjusted according to temperature

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sensors strategically placed in the servers.

Cold Redundancy

To take advantage of the fact that a PSU will run at greater power efficiency with a higher load, GIGABYTE has introduced a power management feature called Cold Redundancy for servers with N+1 power supplies. When the total system load falls lower than 40%, the system will automatically place one PSU into standby mode, and results of 10% improvement in efficiency.

High Availability

Smart Crises Management and Protection (SCMP)

SCMP is a GIGABYTE patented feature which is deployed in servers with non-fully redundant PSU design. With SCMP, in the event of faulty PSU or overheated system, the system will force the CPU into an ultra-low power mode that reduces the power load, which prevents the system from unexpected shutdown and avoids component damage or data loss.

Dual ROM Architecture

If the ROM that stores the BMC and BIOS fails to boot, the system will reboot with the backup BMC and/or BIOS replacing the primary. Once the primary BMC is updated, the ROM of the backup BMC will automatically update the backup through synchronization. For the BIOS, it can be updated based on user's choice of firmware version.

Value-added Management

GIGABYTE offers free-of-charge management applications via a specialized small processor built on the server.

GIGABYTE Management Console

For management and maintenance of a server or a small cluster, users can use the GIGABYTE Management Console, which is pre-installed on each server. Once the servers are running, IT staff can perform real-time health monitoring and management on each server through the browser-based graphical user interface.

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GIGABYTE Server Management (GSM)

GSM is a software suite that can manage clusters of servers simultaneously over the internet. GSM can be run on all GIGABYTE servers and has support for Windows and Linux. GSM can be downloaded from GIGABYTE website and complies with IPMI and Redfish standards.

Certified Ready with Software Partners

Being a member of key software alliance partner programs enables GIGABYTE to together rapidly develop and validate joint solutions, enabling our customers to modernize their data centers and implement IT infrastructure and application services with speed, agility, and cost optimization. GIGABYTE servers have a compatibility across various ecosystems.

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