

GIGABYTE MZ33-AR0 motherboard Socket SP5 Extended ATX

Model: MZ33-AR0

Manufacturer: GIGABYTE

EAN: 4719331849894

Product Code: 1052482

R24,386

Powering the Next Generation of Server Architecture and Energy Efficiency

The path to AMD's 5nm 'Zen 4' architecture was paved with many successful generations of EPYC innovations and chiplet designs, and AMD EPYC 9004 Series processors continue this progression. Adding a host of new features to target a wide range of workloads, the new family of EPYC processors will deliver even better CPU performance and performance per watt, and do so on a platform with 2x the throughput of PCIe 4.0 lanes that also has support for 50% more memory channels. For this new platform, GIGABYTE has products ready to get the most out of EPYC-based systems that support fast PCIe Gen5 accelerators and Gen5 NVMe drives, in addition to support for

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high performant DDR5 memory.

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 or Low Pin Count bus.

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. In addition, the GIGABYTE Management Console also provides:

Support for standard IPMI specifications that allows users to integrate services into a single platform through an open interface
Automatic event recording, which can record system behavior 30 seconds before an event occurs, making it easier to determine subsequent actions
Integrate SAS/SATA/NVMe devices and RAID controller firmware into GIGABYTE Management Console to monitor and control Broadcom® MegaRAID adapters.

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. GSM includes a complete range of system management functions that includes the following utilities:

GSM Server: A software program that provides real-time, remote control using a graphical user interface through an administrator’s computer or through a server in the cluster. The software allows ease of maintenance for large clusters of servers.
GSM CLI: A command-line interface for monitoring and managing remotely.
GSM Agent: A software program installed on each GIGABYTE server node that retrieves information from each system and devices through the OS, and this software integrates with GSM Server or GSM

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CLI.

GSM Mobile: A mobile app for both Android and iOS that provides admins with real-time system information.

GSM Plugin: An application program interface that allows users to use VMware vCenter for real-time monitoring and management of server clusters.

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