

GIGABYTE R163-Z30-AAB2 server barebone AMD SoC LGA 6096 Rack (1U)

Brand : GIGABYTE

Product code: R163-Z30-AAB2

Product name : R163-Z30-AAB2

EPYC, LGA 6096, SoC, MZ33-DC0



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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 high performant DDR5 memory.

Processor		Features	
Built-in processor *	✗	Trusted Platform Module (TPM) version	2.0
Motherboard chipset *	AMD SoC	Backplanes support	✓
Processor socket *	LGA 6096		Windows Server 2016 (X2APIC/256T not supported)
Processor manufacturer	AMD		Windows Server 2019 Red Hat Enterprise Linux 7.6 (x64) or later
Processor family	AMD EPYC		Red Hat Enterprise Linux 8.0 (x64) or later SUSE Linux Enterprise Server 12 SP4 (x64) or later SUSE Linux Enterprise Server 15 SP1 (x64) or later Ubuntu 16.04.6 LTS (x64) or later Ubuntu 18.04.3 LTS (x64) or later Ubuntu 20.04 LTS (x64) or later VMware ESXi 6.5 EP15 or later VMware ESXi 6.7 Update3 or later VMware ESXi 7.0 or later Citrix Hypervisor 8.1.0 or later
Number of processors supported *	1	Compatible operating systems	
Memory		Logistics data	
Number of DIMM slots *	16	Harmonized System (HS) code	84714100
Supported memory types *	DDR4-SDRAM		
Supported DIMM module capacities	256GB		
Supported RDIMM clock speeds	4800 MHz		
Memory channels	Octa-channel		
Storage		Design	
Number of storage drives supported *	4	Chassis type *	Rack (1U)
Hot-swap HDD bays *	✓	LED indicators	HDD, LAN, Power, Status
Number of 2.5" bays	4	On/off switch	✓
Number of 3.5" bays	4	Reset button	✓
Storage drive sizes supported	2.5,3.5,M.2	Number of fans	8 fan(s)
		Fan diameter	8 cm
Graphics		Power	
On-board graphics card model	Aspeed AST2500	Power supply *	800 W
Network		Number of main power supplies	2
Ethernet LAN	✓	AC input voltage	100 - 240 V
Ethernet interface type	Gigabit Ethernet	Input current	10 - 4 A
Ethernet LAN data rates	10,100,1000 Mbit/s	DC output current (+12 V)	66 A
Ports & interfaces		Operational conditions	
Ethernet LAN (RJ-45) ports *	2	Operating temperature (T-T)	10 - 35 °C
VGA (D-Sub) ports quantity	1	Storage temperature (T-T)	-40 - 60 °C
Expansion slots		Operating relative humidity (H-H)	8 - 80%
PCI Express x16 slots	1	Storage relative humidity (H-H)	20 - 95%
Number of M.2 (M) slots	1		
Features			
Trusted Platform Module (TPM)	✓		

Weight & dimensions

Width	438 mm
Depth	730 mm
Height	43.5 mm

Packaging data

Packaging content	1 x R162-ZA1 1 x CPU heatsink 1 x Rail kit
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Catalog Object Cloud



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