

Gigabyte Z490 AORUS ELITE AC motherboard Intel Z490 LGA 1200 ATX

Brand : Gigabyte

Product code: Z490 AORUS ELITE AC

Product name : Z490 AORUS ELITE AC



- Supports 10th Gen Intel® Core™ Series Processors
 - Dual Channel Non-ECC Unbuffered DDR4, 4 DIMMs
 - Intel® Optane™ Memory Ready
 - Direct 12 Phases Digital VRM Solution with 50A DrMOS
 - Shielded Memory Routing for Better Memory Overclocking
 - Advanced Thermal Design with Enlarged Surface Heatsink
 - Onboard Intel® Dual Band 802.11ac WIFI & BT5 with AORUS Antenna
 - AMP-UP Audio with ALC1200 and WIMA Audio Capacitors
 - Fast 2.5GbE LAN with Bandwidth Management
 - Dual Ultra-Fast NVMe PCIe 3.0 x4 M.2 with Thermal Guards
 - Pre-installed IO Shield for Easy and Quick Installation
 - RGB FUSION 2.0 with Multi-Zone Addressable LED Light Show Design, Support Addressable LED & RGB LED Strips
 - Smart Fan 5 Features Multiple Temperature Sensors , Hybrid Fan Headers with FAN STOP
 - Q-Flash Plus Update BIOS without Installing the CPU, Memory and Graphics Card
- Intel Z490 Express, ATX, LGA 1200, 4x DDR4, 2.5GbE LAN, 802.11ac, Bluetooth 5.0, 4x PCIe, 2x M.2, 6x SATA, 256Mbit AMI UEFI

Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	4
Processor socket *	LGA 1200	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Maximum number of SMP processors	1	Ethernet LAN (RJ-45) ports *	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR4-SDRAM	HDMI version	1.4
Number of memory slots *	4	S/PDIF out port	✓
Memory slots type	DIMM	WiFi-AP antenna jack	2
Memory channels	Dual-channel	Network	
ECC	✓	Ethernet LAN	✓
Non-ECC	✓	Ethernet interface type	2.5 Gigabit Ethernet
Supported memory clock speeds MHz	4933,5000,2133,2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3600,3666,3733,3800,3866,4000,4133,4266,4300,4400,4500,4600,4700,4800	LAN controller	Realtek RTL8125
Maximum internal memory *	128 GB	Wi-Fi *	✓
Supported memory module capacities	4GB, 8GB, 16GB, 32GB	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Unbuffered memory	✓	Bluetooth	✓
Storage controllers		Bluetooth version	5.0
Supported storage drive types	HDD & SSD	Features	
Supported storage drive interfaces *	M.2, PCI Express, SATA III	Motherboard chipset *	Intel Z490
RAID levels	0, 1, 5, 10	Audio chip	Realtek ALC1200
Graphics		Audio output channels *	7.1 channels
Parallel processing technology support *	2-Way CrossFireX, Quad-GPU CrossFireX	PC health monitoring	Fan, Temperature, Voltage
HDCP	✓	Component for *	PC
Internal I/O		Motherboard form factor *	ATX
USB 2.0 connectors *	2	Motherboard chipset family *	Intel
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Windows operating systems supported	Windows 10
Number of SATA III connectors *	6	Expansion slots	
Front panel audio connector	✓	PCI Express x1 slots	2
Front panel connector	✓	PCI Express x4 slots	1
ATX Power connector (24-pin)	✗		
Power fan connector	✓		
CPU fan connector	✓		
EPS power connector (8-pin)	✓		
TPM connector	✓		
Thunderbolt headers	2		

Internal I/O		Expansion slots	
12V power connector	✓	PCI Express x16 slots	1
RGB LED pin header	✓	Number of M.2 (M) slots	2
BIOS			
BIOS type *		UEFI AMI	
BIOS memory size		256 Mbit	
ACPI version		5.0	
Clear CMOS jumper	✓		
Desktop Management Interface (DMI) version		2.7	
System Management BIOS (SMBIOS) version		2.7	
Weight & dimensions			
Width		244 mm	
Depth		305 mm	



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