

GIGABYTE Z790M AORUS ELITE AX ICE motherboard Intel Z790 Express LGA 1700 micro ATX

Brand : GIGABYTE

Product code: Z790M AORUS ELITE AX ICE

Product name : Z790M AORUS ELITE AX ICE

- Intel® Socket LGA 1700: Support 14th and 13th Gen Series Processors
  - Unparalleled Performance: Twin 12+1+1 Phases Digital VRM Solution
  - Dual Channel DDR5: 4\*SMD DIMMs with XMP 3.0 Memory Module Support
  - Next Generation Storage: 3\*PCIe 4.0 x4 M.2 Connectors
  - Advanced Thermal Design & M.2 Thermal Guard: To Ensure VRM Power Stability & M.2 SSD Performance
  - EZ-Latch Plus: M.2 Connectors with Quick Release & Screwless Design
  - Fast Networks: 2.5GbE LAN & Wi-Fi 6E 802.11ax
  - Extended Connectivity: DP, HDMI, Front USB-C® 10Gb/s, Rear USB-C® 20Gb/s
  - Smart Fan 6: Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
  - Q-Flash Plus: Update BIOS Without Installing the CPU, Memory and Graphics Card
- Micro ATX, LGA 1700 socket, Intel Z790 Express chipset, 4 x DDR5 DIMM, 7.1-channel audio, 2.5 Gbps LAN, Wi-Fi 6E, AMI UEFI BIOS



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Processor socket *	LGA 1700	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	USB 3.2 Gen 2x2 Type-C ports quantity	1
Supported processor sockets	LGA 1700	Ethernet LAN (RJ-45) ports *	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR5-SDRAM	HDMI version	2.0
Number of memory slots *	4	DisplayPorts quantity	1
Memory slots type	DIMM	DisplayPort version	1.2
Memory channels	Dual-channel	Headphone outputs	2
ECC compatibility	ECC & Non-ECC	Microphone in	✓
Supported memory clock speeds	4000,4800,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600 MHz	S/PDIF out port	✓
Supported memory clock speed (max)	7600 MHz	WiFi-AP antenna jack	2
Maximum internal memory *	256 GB	USB connector type	USB Type-A, USB Type-C
Unbuffered memory	✓	Network	
Storage controllers		Ethernet LAN	✓
Supported storage drive types	HDD & SSD	Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Wi-Fi *	✓
Number of storage drives supported	9	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
RAID support	✓	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
RAID levels	0, 1, 5, 10	Bluetooth	✓
Graphics		Bluetooth version	5.3
Parallel processing technology support *	Not supported	Features	
Maximum resolution	4096 x 2304 pixels	Motherboard chipset *	Intel Z790 Express
HDCP	✓	Audio chip	Realtek ALC1220
Internal I/O			
USB 2.0 connectors *	2		

Internal I/O		Features	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Audio output channels *	7.1 channels
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Product colour	White
Number of SATA III connectors *	6	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Front panel audio connector	✓	Component for *	PC
Front panel connector	✓	Motherboard form factor *	micro ATX
ATX Power connector (24-pin)	✓	Motherboard chipset family *	Intel
CPU fan connector	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Peripheral (Molex) power connectors (4-pin)	1	Expansion slots	
EPS power connector (8-pin)	✓	PCI Express x16 slots	2
TPM connector	✓	Number of M.2 (M) slots	3
Serial port headers	1	BIOS	
Thunderbolt headers	2	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	256 Mbit
RGB LED pin header	✓	ACPI version	5.0
Rear panel I/O ports		Clear CMOS button	✓
USB 2.0 ports quantity *	4	Desktop Management Interface (DMI) version	2.7
		System Management BIOS (SMBIOS) version	2.7
		Weight & dimensions	
		Width	244 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Antenna included	✓



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### Catalog Object Cloud



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