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*PCle 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

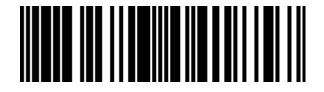
Micro ATX, LGA 1700 socket, Intel Z790 Express chipset, 4 x DDR5 DIMM, 7.1-channel audio, 2.5 Gbps LAN, Wi-Fi 6E, AMI UEFI BIOS





Processor			Rear panel I/O ports	
Processor manufacturer * Processor socket *		Intel LGA 1700	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
		Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7,	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Compatible processor series *		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 * Number of memory slots * Memory slots type Memory channels ECC compatibility	DDR5-SDRAM 4 DIMM Dual-channel ECC & Non-ECC		HDMI version	2.0
			DisplayPorts quantity	1
			DisplayPort version	1.2
Supported memory clock speeds	4000,4800,5200,5400, MHz	5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600	Headphone outputs	2
Supported memory clock speed (max)	7600 MHz		Microphone in	✓
Maximum internal memory * Unbuffered memory	256 GB ✓		S/PDIF out port	✓
Storage controllers			WiFi-AP antenna jack USB connector type	2 USB Type-A, USB Type-C
Supported storage drive types HDD & SSD			7.1	озв туре-А, озв туре-С
Supported storage di	rive interfaces *	M.2, PCI Express 4.0, SATA III	Network	
Number of storage drives supported 9			Ethernet LAN	✓
RAID support		✓	Ethernet interface type	2.5 Gigabit Ethernet
RAID levels		0, 1, 5, 10	Wi-Fi *	✓
Graphics			Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Parallel processing technology support *		Not supported	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)
Maximum resolution		4096 x 2304 pixels	Bluetooth	✓
HDCP		✓	Bluetooth version	5.3
Internal I/O			Features	
USB 2.0 connectors *		2	Motherboard chipset * Audio chip	Intel Z790 Express Realtek ALC1220

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