

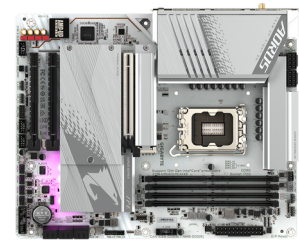
Gigabyte Z790 AORUS ELITE AX ICE motherboard Intel Z790 Express LGA 1700 ATX

Brand : Gigabyte

Product code: Z790 AORUS ELITE AX ICE

Product name : Z790 AORUS ELITE AX ICE

- Intel® Socket LGA 1700: Support 13th and 12th Gen Series Processors
 - Unparalleled Performance: Twin 16+1+2 Phases Digital VRM Solution
 - Dual Channel DDR5: 4*SMD DIMMs with XMP 3.0 Memory Module Support
 - Next Generation Storage: 4*PCIe 4.0 x4 M.2 Connectors
 - Advanced Thermal Design & M.2 Thermal Guard III: 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
- ATX, LGA 1700 socket, Intel Z790 Express chipset, 4x DDR5 DIMM, Wi-Fi 6E, Bluetooth 5.3, 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 *	3
Processor socket *	LGA 1700	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
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	✓	Microphone in	✓
Non-ECC	✓	S/PDIF out port	✓
Supported memory clock speeds	4000,4800,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600 MHz	WiFi-AP antenna jack	2
Supported memory clock speed (max)	7600 MHz	USB connector type	USB Type-A, USB Type-C
Maximum internal memory *	192 GB	Network	
Unbuffered memory	✓	Ethernet LAN	✓
Storage controllers		Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive types	HDD & SSD	Wi-Fi *	✓
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Number of storage drives supported	10	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 support	✓	Bluetooth	✓
RAID levels	0, 1, 5, 10	Bluetooth version	5.3
Graphics		Features	
Parallel processing technology support *	Not supported	Motherboard chipset *	Intel Z790 Express
Maximum resolution	4096 x 2304 pixels	Audio output channels *	7.1 channels
HDCP	✓	Product colour	White
Internal I/O		PC health monitoring	Fan, Temperature, Voltage, Water cooling
USB 2.0 connectors *	2	Component for *	PC
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		
Number of SATA III connectors *	6		

Internal I/O		Features	
Front panel audio connector	✓	Motherboard form factor *	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	
EPS power connector (8-pin)	✓	PCI Express x16 slots	3
TPM connector	✓	Number of M.2 (M) slots	4
Thunderbolt headers	2	BIOS	
12V power connector	✓	BIOS type *	UEFI AMI
RGB LED pin header	✓	BIOS memory size	256 Mbit
Rear panel I/O ports		ACPI version	5.0
USB 2.0 ports quantity *	4	Clear CMOS jumper	✓
		Clear CMOS button	✓
		Desktop Management Interface (DMI) version	2.7
		System Management BIOS (SMBIOS) version	2.7
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Bundled software	Norton Internet Security

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