

Gigabyte Z790 AORUS ELITE DDR4 motherboard Intel Z790 LGA 1700 ATX

Brand : Gigabyte

Product code: Z790 AORUS ELITE DDR4

Product name : Z790 AORUS ELITE DDR4

- Intel® Socket LGA 1700□Support 13th and 12th Gen Series Processors
 - Unparalleled Performance□Twin 16*+1+2 Phases Digital VRM Solution
 - Dual Channel DDR4□4*DIMMs with XMP 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
 - Extended Connectivity□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
- Z790 AORUS ELITE DDR4 Intel LGA 1700 ATX Motherboard, 4x DDR4 ~128GB, 3x PCI-E x16, 4x M.2, 4x SATA, 5x USB 3.2, 1x USB-C, 4x USB 2.0



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	4
Processor socket *	LGA 1700	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Supported processor sockets	LGA 1700	USB 3.2 Gen 2x2 Type-C ports quantity	1
Memory		Ethernet LAN (RJ-45) ports *	1
Supported memory types *	DDR4-SDRAM	HDMI ports quantity *	1
Number of memory slots *	4	HDMI version	2.0
Memory slots type	DIMM	DisplayPorts quantity	1
Memory channels	Dual-channel	DisplayPort version	1.2
ECC	✓	Headphone outputs	2
Non-ECC	✓	Microphone in	✓
Supported memory clock speeds MHz	2133,2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3600,3666,3733,3800,3866,4000,4133,4266,4300,4400,4500,4600,4700,4800,4933,5000,5133,5333	S/PDIF out port	✓
Supported memory clock speed (max)	7600 MHz	WiFi-AP antenna jack	2
Maximum internal memory *	128 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	10	Features	
RAID support	✓	Motherboard chipset *	Intel Z790
RAID levels	0, 1, 5, 10	Audio output channels *	7.1 channels
Graphics		PC health monitoring	Fan, Temperature, Voltage, Water cooling
Parallel processing technology support *	Crossfire	Component for *	PC
Maximum resolution	4096 x 2304 pixels	Motherboard form factor *	ATX
HDCP	✓	Motherboard chipset family *	Intel
Internal I/O		Windows operating systems supported	Windows 10 x64, Windows 11 x64
USB 2.0 connectors *	2	Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 slots	3
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		
Number of SATA III connectors *	4		
Front panel audio connector	✓		
Front panel connector	✓		
ATX Power connector (24-pin)	✓		

Internal I/O		Expansion slots	
CPU fan connector	✓	Number of M.2 (M) slots	4
EPS power connector (8-pin)	✓	BIOS	
TPM connector	✓	BIOS type *	UEFI AMI
Thunderbolt headers	2	BIOS memory size	256 Mbit
12V power connector	✓	ACPI version	5.0
RGB LED pin header	✓	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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