

GIGABYTE Z690 AORUS ELITE DDR4 (rev. 1.0) Intel Z690 LGA 1700 ATX

Brand : GIGABYTE

Product code: Z690 AORUS ELITE DDR4 (REV. 1.0)

Product name : Z690 AORUS ELITE DDR4 (rev. 1.0)

- Supports 12th Gen Intel® Core™ Series Processors
 - Dual Channel Non-ECC Unbuffered DDR4, 4 DIMMs
 - Direct 16+1+2 Digital VRM Design with 70A Power Stage* and Tantalum Polymer Capacitor
 - Shielded Memory Routing to Avoid Interference
 - Fully Covered Thermal Design with High Coverage MOSFET Heatsinks
 - AMP-UP Audio with ALC1220 and WIMA Audio Capacitors
 - Fast 2.5GbE LAN with Bandwidth Management
 - 4x Ultra-Fast NVMe PCIe 4.0/3.0 x4 M.2 with Enlarged Thermal Guards
 - SuperSpeed USB 3.2 Gen2x2 TYPE-C® delivers up to 20Gb/s transfer speeds
 - RGB FUSION 2.0 with Multi-Zone Addressable LED Light Show Design, Support Addressable LED & RGB LED Strips
 - 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 Car
- LGA 1700, Intel Z690 Chipset, 4 x DDR4-SDRAM up to 128GB, LAN, 1 x RJ-45, 6 x SATA III, UEFI AMI, ATX



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor socket *	LGA 1700	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Compatible processor series *	Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9	Ethernet LAN (RJ-45) ports *	1
		HDMI ports quantity *	1
		S/PDIF out port	✓
		Thunderbolt ports quantity	2
Storage controllers		Network	
Supported storage drive types	HDD & SSD	Ethernet LAN	✓
Supported storage drive interfaces *	M.2, SATA III	Ethernet interface type	2.5 Gigabit Ethernet
RAID levels	0, 1, 5, 10	Wi-Fi *	✗
Graphics		Features	
Parallel processing technology support *	2-Way CrossFireX, Quad-GPU CrossFireX	Motherboard chipset *	Intel Z690
HDCP	✓	Audio chip	Realtek ALC1220-VB
		Audio output channels *	7.1 channels
Internal I/O		PC health monitoring	Fan, Temperature, Voltage
USB 2.0 connectors *	2	Component for *	PC
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Motherboard form factor *	ATX
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Motherboard chipset family *	Intel
Number of SATA III connectors *	6	Windows operating systems supported	Windows 10 x64
ATX Power connector (24-pin)	✓	Expansion slots	
CPU fan connector	✓	PCI Express x16 slots	1
Peripheral (Molex) power connectors (4-pin)	1	BIOS	
EPS power connector (8-pin)	✓	BIOS type *	UEFI AMI
RGB LED pin header	✓	BIOS memory size	256 Mbit
		ACPI version	5.0
		Clear CMOS jumper	✓
Rear panel I/O ports		Desktop Management Interface (DMI) version	2.7
USB 2.0 ports quantity *	4		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		

Memory	
Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Supported memory clock speeds	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
Maximum internal memory *	128 GB
Unbuffered memory	✓

BIOS

System Management BIOS (SMBIOS) version	2.7
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Logistics data

Harmonized System (HS) code	84733020
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Weight & dimensions

Width	305 mm
Depth	244 mm
Height	70 mm

Other features

Weight	1 kg
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