GIGABYTE

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

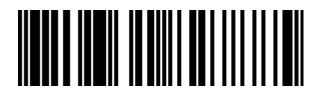
LGA 1700, Intel Z690 Chipset, 4 x DDR4-SDRAM up to 128GB, LAN, 1 x RJ-45, 6 x SATA III, UEFI AMI, ATX





Processor		Rear panel I/O ports	
Processor manufacturer * Processor socket *	Intel LGA 1700	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Compatible processor series *	Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Memory DDR4-SDRAM Supported memory tops * 4 Memory discts type DBM Bernery channels Dub Channel Bernery channels Dub Channel ECC compatibility 2133 2400 2493 3000 3200 3303 3400 340 Maximum internal memory * 128 GB Unbuffered memory 128 GB	6 3600, 3666, 3733, 3800, 3866, 4000, 4133, 4266, 4300, 4400, 4500, 4400, 4700, 4803, 5000, 5133, 533	Ethernet LAN (RJ-45) ports * HDMI ports quantity * , S/PDIF out port Thunderbolt ports quantity	1 1 ✓ 2
Storage controllers		Network	
Supported storage drive types Supported storage drive interfaces [,] RAID levels	HDD & SSD * M.2, SATA III 0, 1, 5, 10	Ethernet LAN Ethernet interface type Wi-Fi *	 2.5 Gigabit Ethernet X
Graphics		Features	
Parallel processing technology support * HDCP	2-Way CrossFireX, Quad-GPU CrossFireX ✔	Motherboard chipset * Audio chip Audio output channels *	Intel Z690 Realtek ALC1220-VB 7.1 channels
Internal I/O		PC health monitoring	Fan, Temperature, Voltage
USB 2.0 connectors * USB 3.2 Gen 1 (3.1 Gen 1) connectors * USB 3.2 Gen 2 (3.1 Gen 2) connectors *	2 1 1	Component for * Motherboard form factor * Motherboard chipset family * Windows operating systems supported	PC ATX Intel Windows 10 x64
Number of SATA III connectors *	6	Expansion slots	
ATX Power connector (24-pin) CPU fan connector	4	PCI Express x16 slots	1
Peripheral (Molex) power	1	BIOS	
connectors (4-pin) EPS power connector (8-pin) RGB LED pin header	4	BIOS type * BIOS memory size ACPI version	UEFI AMI 256 Mbit 5.0
Rear panel I/O ports		Clear CMOS jumper	✓
USB 2.0 ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4 3	Desktop Management Interface (DMI) version	2.7

BIOS			
System Management BIOS (SMBIOS) version	2.7		
Logistics data			
Harmonized System (HS) code	84733020		
Weight & dimensions			
Width	305 mm		
Depth	244 mm		
Height	70 mm		
Other features			
Weight	1 kg		



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