GIGABYTE

## GIGABYTE Z690 GAMING X DDR4 (rev. 1.0) Intel Z690 LGA 1700 ATX

Brand : GIGABYTE

Processor

Product code: Z690 GAMING X DDR4

Product name : Z690 GAMING X DDR4 (rev. 1.0)

- Supports 12th Gen Intel® Core<sup>™</sup> Series Processors
- Dual Channel Non-ECC Unbuffered DDR4, 4 DIMMs
- Direct 16+1+2 Digital VRM Design with 60A 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
- 4 x 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 Card
- LGA 1700, Intel Z690 Chipset, 4 x DDR4-SDRAM up to 128GB, LAN, 1 x RJ-45, 6 x SATA III, UEFI AMI, ATX

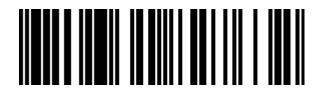




Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor socket *	LGA 1700		
Compatible processor series *	Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Memory Supported memory types * DDR4-SDRAM Number of memory slots * 4		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Memory slots type DIMM Memory channels Dual-channel ECC compatibility ECC & Non-ECC		Ethernet LAN (RJ-45) ports *	1
	6,3600,3666,3733,3800,3866,4000,4133,4266,4300,4400,4500,4600,4700,4800,4933,5000,5133,533	HDMI ports quantity *	1
Unbuffered memory V		S/PDIF out port	1
Storage controllers		·	-
Supported storage drive types	HDD & SSD	Network	
Supported storage drive interfaces	* M.2, SATA III	Ethernet LAN	4
RAID support	1	Ethernet interface type	2.5 Gigabit Ethernet
RAID levels	0, 1, 5, 10	Wi-Fi *	×
Graphics	· , , , , .	Features	
Parallel processing technology	2-Way CrossFireX, Quad-GPU	Motherboard chipset *	Intel Z690
support *	CrossFireX	Audio chip	Realtek ALC1220-VB
HDCP	1	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)		Motherboard form factor *	ATX
connectors *	1	Motherboard chipset family *	Intel
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Windows operating systems supported	Windows 10 x64
Number of SATA III connectors *	6	Expansion slots	
ATX Power connector (24-pin)	✓	PCI Express x16 slots	1
CPU fan connector	✓	BIOS	
Peripheral (Molex) power connectors (4-pin)	1	BIOS type *	UEFI AMI
	,	BIOS memory size	256 Mbit
EPS power connector (8-pin)	4		
RGB LED pin header	<b>v</b>	ACPI version	5.0
Rear panel I/O ports		Clear CMOS jumper	4
USB 2.0 ports quantity *	4	Desktop Management Interface (DMI) version	2.7

Rear panel I/O ports

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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