

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

Brand : Gigabyte

Product code: Z690 GAMING X DDR4

Product name : Z690 GAMING X 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 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		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® Core™ i5, Intel® Core™ i7, Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) 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	S/PDIF out port	✓
Memory slots type	DIMM	Thunderbolt ports quantity	2
Memory channels	Dual-channel	Network	
ECC	✓	Ethernet LAN	✓
Non-ECC	✓	Ethernet interface type	2.5 Gigabit Ethernet
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3300,3333,3400,3466,3500,3666,3733,3800,3866,4000,4133,4266,4300,4400,4500,4600,4700,4800,4933,5000,5133,5333	Wi-Fi *	✗
Maximum internal memory *	128 GB	Features	
Unbuffered memory	✓	Motherboard chipset *	Intel Z690
Storage controllers		Audio chip	Realtek ALC1220-VB
Supported storage drive types	HDD & SSD	Audio output channels *	7.1 channels
Supported storage drive interfaces *	M.2, SATA III	PC health monitoring	Fan, Temperature, Voltage
RAID support	✓	Component for *	PC
RAID levels	0, 1, 5, 10	Motherboard form factor *	ATX
Graphics		Motherboard chipset family *	Intel
Parallel processing technology support *	2-Way CrossFireX, Quad-GPU CrossFireX	Windows operating systems supported	Windows 10 x64
HDCP	✓	Harmonized System (HS) code	84733020
Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x16 slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	BIOS	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	BIOS type *	UEFI AMI
Number of SATA III connectors *	6	BIOS memory size	256 Mbit
ATX Power connector (24-pin)	✓	ACPI version	5.0
CPU fan connector	✓	Clear CMOS jumper	✓
Peripheral (Molex) power connectors (4-pin)	1		
EPS power connector (8-pin)	✓		
RGB LED pin header	✓		
Rear panel I/O ports			
USB 2.0 ports quantity *	4		

BIOS

Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Weight & dimensions

Width	305 mm
Depth	244 mm
Height	70 mm

Other features

Weight	1 kg
--------	------



4719331827632



0889523030080



889523030080

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.