

Gigabyte Z690 AERO G motherboard Intel Z690 LGA 1700 ATX

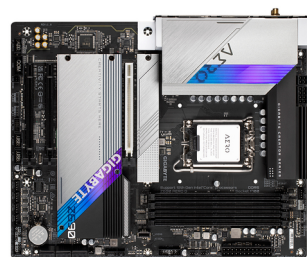
Brand : Gigabyte

Product code: Z690 AERO G

Product name : Z690 AERO G

- Supports 12th Gen Intel® Core™ Series Processors
- Dual Channel Non-ECC Unbuffered DDR5, 4 DIMMs
- PCIe 5.0 x16 slot design can be ready for PCIe 5.0 GPU or NVMe storage
- Go further without more cables by VisionLINK I/O design
- Brings a speed network experience with Intel® 2.5GbE LAN
- WiFi6 2x2 802.11ax 2T2R & BT5 with new antenna for better signal
- No Hassle Connection with front USB 3.2 Gen 2x2 Type-C®
- 4 x Ultra-Fast NVMe PCIe 4.0 x4 M.2 connectors with enlarged thermal guards
- Advanced thermal architecture design for the better thermal dissipation
- Smart Fan 6 features hybrid fan headers and numerous temperature sensors for fan mode configuration

ATX, Intel Z690 Express chipset, LGA 1700 Socket, 4xDDR5 DIMM slots, 7.1 ch audio, 2.5-Gigabit LAN, Wi-Fi 6, Bluetooth 5.2, AMI UEFI BIOS



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 2x2 Type-C ports quantity	1
Compatible processor series *	Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9	Ethernet LAN (RJ-45) ports *	1
Supported processor sockets	LGA 1700	HDMI ports quantity *	1
Memory		HDMI version	1.4
Supported memory types *	DDR5-SDRAM	DisplayPorts quantity	1
Number of memory slots *	4	DisplayPort version	1.2
Memory slots type	DIMM	Headphone outputs	2
Memory channels	Dual-channel	Microphone in	✓
ECC	✓	S/PDIF out port	✓
Non-ECC	✓	WiFi-AP antenna jack	2
Supported memory clock speeds	4000,4800,5200,5400,5600,5800,6000 MHz	USB connector type	USB Type-A, USB Type-C
Maximum internal memory *	128 GB	Network	
Unbuffered memory	✓	Ethernet LAN	✓
Storage controllers		Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive types	HDD & SSD	Wi-Fi *	✓
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Number of storage drives supported	10	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
RAID support	✓	WLAN controller model	Intel Wi-Fi 6 AX201
RAID levels	0, 1, 5, 10	Bluetooth	✓
Graphics		Bluetooth version	5.2
Parallel processing technology support *	2-Way CrossFireX, Quad-GPU CrossFireX	Features	
Maximum resolution	4096 x 2304 pixels	Motherboard chipset *	Intel Z690
HDCP	✓	Audio chip	Realtek ALC4080
Internal I/O		Audio output channels *	7.1 channels
USB 2.0 connectors *	2	PC health monitoring	Fan, Noise, Temperature, Voltage, Water cooling
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Component for *	PC
		Motherboard form factor *	ATX

Internal I/O		Features	
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, Windows 11 x64
Front panel audio connector	✓	Expansion slots	
Front panel connector	✓	PCI Express x16 slots	3
ATX Power connector (24-pin)	✓	Number of M.2 (M) slots	4
CPU fan connector	✓	BIOS	
Number of chassis fan connectors	4	BIOS type *	UEFI AMI
EPS power connector (8-pin)	✓	BIOS memory size	256 Mbit
TPM connector	✓	ACPI version	5.0
Thunderbolt headers	2	Clear CMOS jumper	✓
12V power connector	✓	Desktop Management Interface (DMI) version	2.7
RGB LED pin header	✓	System Management BIOS (SMBIOS) version	2.7
Rear panel I/O ports		Logistics data	
USB 2.0 ports quantity *	2	Harmonized System (HS) code	84733020
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Width	305 mm
		Depth	244 mm
		Height	70 mm
		Packaging content	
		Cables included	SATA
		Bundled software	Norton Internet Security, cFosSpeed
		Other features	
		Weight	1 kg



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