

GIGABYTE Z790 AERO G Motherboard - Supports Intel Core 14th CPUs, up to 7600MHz DDR5 (OC), 1xPCIe 5.0+4xPCIe 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2x2

Brand : GIGABYTE

Product code: Z790 AERO G

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ATX, LGA 1700 socket, Intel Z790 Express chipset, 4x DDR5, Wi-Fi 6E, AMI UEFI BIOS

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Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor socket *	LGA 1700	HDMI version	2.0
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3,	DisplayPorts quantity	1
	Intel® Core™ i5, Intel® Core™ i7,	DisplayPort version	1.4
	Intel® Core™ i9, Intel® Pentium® Gold	Headphone outputs	2
Supported processor sockets	LGA 1700	Microphone in	✓
Maximum internal memory supported by processor	192 GB	S/PDIF out port	✓
Memory		Wi-Fi-AP antenna jack	2
Supported memory types *	DDR5-SDRAM	USB connector type	USB Type-A, USB Type-C
Number of memory slots *	4	Network	
Memory slots type	DIMM	Ethernet LAN	✓
Memory channels	Dual-channel	Ethernet interface type	2.5 Gigabit Ethernet
ECC compatibility	ECC & Non-ECC	Wi-Fi *	✓
Supported memory clock speeds	4000,4800,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600 MHz	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported memory clock speed (max)	7600 MHz	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Maximum internal memory *	192 GB	WLAN controller model	Intel Wi-Fi 6E AX211
Unbuffered memory	✓	Bluetooth	✓
Storage controllers		Bluetooth version	5.3
Supported storage drive types	HDD & SSD	Features	
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Motherboard chipset *	Intel Z790
Number of HDDs supported	4	Audio chip	Realtek ALC1220-VB
Number of storage drives supported	9	Audio output channels *	7.1 channels
RAID support	✓	Product colour	Black
RAID levels	0, 1, 5, 10	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Graphics		Component for *	PC
Parallel processing technology support *	Crossfire		
Maximum resolution	4096 x 2304 pixels		
HDCP	✓		

Graphics		Features	
DirectX version	12.0	Motherboard form factor *	ATX
Internal I/O		Motherboard chipset family *	Intel
USB 2.0 connectors *	2	Windows operating systems supported	Windows 10 x64, Windows 11 x64
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	PCI Express x16 slots	3
Number of SATA III connectors *	4	Number of M.2 (M) slots	5
Total number of SATA connectors	4	BIOS	
Front panel audio connector	✓	BIOS type *	UEFI AMI
Front panel connector	✓	BIOS memory size	256 Mbit
ATX Power connector (24-pin)	✓	ACPI version	5.0
CPU fan connector	✓	Clear CMOS jumper	✓
EPS power connector (8-pin)	✓	Desktop Management Interface (DMI) version	2.7
TPM connector	✓	System Management BIOS (SMBIOS) version	2.7
Serial port headers	1	Logistics data	
Thunderbolt headers	2	Country of origin	China
12V power connector	✓	Products per shipping (inner) case	1 pc(s)
RGB LED pin header	✓	Battery	
Rear panel I/O ports		Battery weight	3 g
USB 2.0 ports quantity *	2	Lithium weight per battery	0.07 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Number of battery cells	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Battery type	CR2032
USB 3.2 Gen 2x2 Type-C ports quantity	1	Packaging data	
Ethernet LAN (RJ-45) ports *	1	Package width	335 mm
		Package depth	270 mm
		Package height	80 mm
		Package weight	2.48 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Bundled software	Norton Internet Security
		Technical details	
		Warranty period	3 year(s)



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