

## GIGABYTE B650 AERO G Motherboard - AMD Ryzen 9000 Series CPUs, up to 8000MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5GbE LAN, WIFI 6E, USB 3.2 Gen 2



**Brand :** GIGABYTE

**Product code:** B650 AERO G

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge

Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Microphone in	✓
Processor socket *	Socket AM5	S/PDIF out port	✓
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	WiFi-AP antenna jack	2
Supported processor sockets	Socket AM5	<b>Network</b>	
<b>Memory</b>		Ethernet LAN	✓
Supported memory types *	DDR5-SDRAM	Ethernet interface type	2.5 Gigabit Ethernet
Number of memory slots *	4	Wi-Fi *	✓
Memory slots type	DIMM	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Memory channels	Dual-channel	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)
ECC compatibility	Non-ECC	WLAN controller model	RZ616
Supported memory clock speeds	8000,7800,7600,7200,7000,6800,6666,6600,6400,6200,6000,5600,5200,4800,4400 MHz	Bluetooth	✓
Supported memory clock speed (max)	8000 MHz	Bluetooth version	5.2
Maximum internal memory *	256 GB	<b>Features</b>	
Unbuffered memory	✓	Motherboard chipset *	AMD B650
Maximum internal memory per slot	64 GB	Audio output channels *	7.1 channels
<b>Storage controllers</b>		Product colour	Black
Supported storage drive types	HDD & SSD	PC health monitoring	Fan, Noise, Temperature, Voltage, Water cooling
Supported storage drive interfaces *	M.2, SATA III	Component for *	PC
Number of HDDs supported	4	Motherboard form factor *	ATX
Number of storage drives supported	7	Motherboard chipset family *	AMD
RAID support	✓	Power source type	ATX
RAID levels	0, 1, 10	Windows operating systems supported	Windows 10 x64, Windows 11 x64
<b>Graphics</b>		<b>Expansion slots</b>	
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 3.x) slots	1
Maximum resolution	4096 x 2160 pixels	PCI Express x16 (Gen 4.x) slots	2
HDCP	✓		
DirectX version	12.0		
Discrete graphics support	✓		

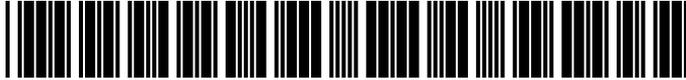
Internal I/O		Expansion slots	
USB 2.0 connectors *	2	Number of M.2 (M) slots	3
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	1st M.2 largest key size	25110
USB 3.2 Gen 2x2 connectors	1	1st M.2 highest PCI Express generation	5.0
Number of SATA III connectors *	4	2nd M.2 largest key size	25110
Front panel audio connector	✓	2nd M.2 highest PCI Express generation	4.0
Front panel connector	✓	3rd M.2 largest key size	25110
ATX Power connector (24-pin)	✓	3rd M.2 highest PCI Express generation	4.0
CPU fan connector	✓	<b>BIOS</b>	
Number of chassis fan connectors	6	BIOS type *	UEFI AMI
EPS power connector (8-pin)	✓	BIOS memory size	256 Mbit
TPM connector	✓	ACPI version	5.0
Serial port headers	1	Clear CMOS jumper	✓
12V power connector	✓	Desktop Management Interface (DMI) version	2.7
Number of water pump connectors	3	System Management BIOS (SMBIOS) version	2.7
Number of temperature sensor headers	2	<b>Logistics data</b>	
RGB LED pin header	✓	Country of origin	China
Number of RGB LED pin headers	5	Products per shipping (inner) case	1 pc(s)
<b>Rear panel I/O ports</b>		<b>Battery</b>	
USB 2.0 ports quantity *	2	Battery weight	3 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Lithium weight per battery	0.07 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3	Number of battery cells	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Ethernet LAN (RJ-45) ports *	1	Battery type	CR2032
HDMI ports quantity *	1	<b>Packaging data</b>	
HDMI version	2.1	Package width	335 mm
DisplayPorts quantity	1	Package depth	270 mm
DisplayPort version	1.4	Package height	80 mm
Line-in	✓	Package weight	2.49 kg
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		<b>Packaging content</b>	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		<b>Technical details</b>	
		Warranty period	3 year(s)



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### Catalog Object Cloud



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