

Gigabyte B650 AERO G (rev. 1.0) AMD B650 Socket AM5 ATX

Brand : Gigabyte

Product code: B650 AERO G

Product name : B650 AERO G (rev. 1.0)

- AMD Socket AM5: Supports AMD Ryzen™ 7000 Series Processors
 - VisionLINK: One USB-C® Port for Video, Data Transfer and Charging
 - Dual Channel DDR5 4*DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
 - Next Generation Storage 1*PCIe 5.0 x4 and 2*PCIe 4.0 x4 M.2 Connectors
 - Advanced Thermal Design & M.2 Thermal Guard III: To Ensure VRM Power Stability & 25110 PCIe 5.0 M.2 SSD Performance
 - EZ-Latch: PCIe x16 Slot & M.2 Connectors with Quick Release & Screwless Design
 - Fast Networks: Intel® 2.5GbE LAN & Wi-Fi 6E 802.11ax
 - Extended Connectivity: DP IN, HDMI, Front USB-C® 20Gbps Support and Upcoming GIGABYTE USB4 AIC Support
 - Smart Fan 6 6 6 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP and Noise Detection
 - Q-Flash Plus Update BIOS Without Installing the CPU, Memory and Graphics Card
- B650 AERO G 1.0 AMD AM5 ATX Motherboard 4x DDR5~128GB, 3x PCIe x16, 3x M.2, 4x SATA 6, 7x USB 3.2, 1x USB-C, 2x USB 2.0



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor socket *	Socket AM5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Compatible processor series *	AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Supported processor sockets	Socket AM5	Ethernet LAN (RJ-45) ports *	1
Memory		PS/2 ports quantity	1
Supported memory types *	DDR5-SDRAM	HDMI ports quantity *	1
Number of memory slots *	4	HDMI version	2.1
Memory slots type	DIMM	DisplayPorts quantity	2
Memory channels	Dual-channel	DisplayPort version	1.4
Non-ECC	✓	Headphone outputs	3
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666 MHz	Microphone in	✓
Maximum internal memory *	128 GB	USB connector type	USB Type-A, USB Type-C
Unbuffered memory	✓	Network	
Storage controllers		Ethernet LAN	✓
Supported storage drive types	HDD & SSD	Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Wi-Fi *	✓
Number of storage drives supported	6	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
RAID support	✓	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 levels	0, 1, 10	Bluetooth	✓
Graphics		Bluetooth version	5.2
Parallel processing technology support *	Not supported	Features	
Maximum resolution	4096 x 2160 pixels	Motherboard chipset *	AMD B650
HDCP	✓	Audio output channels *	7.1 channels
Number of displays supported	3	PC health monitoring	Fan, Temperature, Voltage
Internal I/O		Component for *	PC
USB 2.0 connectors *	2	Motherboard form factor *	ATX
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Motherboard chipset family *	AMD
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		
Number of SATA III connectors *	4		

Internal I/O		Features	
Front panel audio connector	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Front panel connector	✓	Expansion slots	
ATX Power connector (24-pin)	✓	PCI Express x1 slots	1
CPU fan connector	✓	PCI Express x16 slots	1
EPS power connector (8-pin)	✓	Number of M.2 (M) slots	2
TPM connector	✓	BIOS	
Serial port headers	1	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	256 Mbit
RGB LED pin header	✓	ACPI version	5.0
Rear panel I/O ports		Clear CMOS jumper	✓
USB 2.0 ports quantity *	4	Desktop Management Interface (DMI) version	2.7
		System Management BIOS (SMBIOS) version	2.7
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA



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