

GIGABYTE B650M AORUS ELITE Motherboard - AMD Ryzen 9000 CPUs, 12+2+2 Phases VRM, up to 8000MHz DDR5, 1xPCIe 5.0 + 1xPCIe 4.0 M.2, 2.5GbE LAN, USB 3.2 Gen 2x2

Brand : GIGABYTE

Product code: B650M AORUS ELITE

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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	HDMI version	2.1
Processor socket *	Socket AM5	DisplayPorts quantity	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	DisplayPort version	1.4
		Headphone outputs	1
Supported processor sockets	Socket AM5	Line-in	✓
Memory		S/PDIF out port	✓
Supported memory types *	DDR5-SDRAM	Network	
Number of memory slots *	4	Ethernet LAN	✓
Memory slots type	DIMM	Ethernet interface type	2.5 Gigabit Ethernet
Memory channels	Dual-channel	LAN controller	Realtek RTL8125
ECC compatibility	Non-ECC	Wi-Fi *	✗
Supported memory clock speeds	8000,7800,7600,7200,7000,6800,6666,6600,6400,6200,6000,5600,5200,4800,4400 MHz	Features	
Supported memory clock speed (max)	8000 MHz	Motherboard chipset *	AMD B650
Maximum internal memory *	256 GB	Audio chip	Realtek ALC897
Unbuffered memory	✓	Audio output channels *	7.1 channels
Maximum internal memory per slot	64 GB	Product colour	Black
Storage controllers		PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported storage drive types	HDD & SSD	Component for *	PC
Supported storage drive interfaces *	M.2, SATA III	Motherboard form factor *	ATX
Number of HDDs supported	4	Motherboard chipset family *	AMD
Number of storage drives supported	6	Cooling type	Passive
RAID support	✓	Power source type	ATX
RAID levels	0, 1, 10	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Graphics		Expansion slots	
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 4.x) slots	2
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
DirectX version	12.0		

Internal I/O		Expansion slots	
USB 2.0 connectors *	2	Number of M.2 (M) slots	2
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	22110
Front panel audio connector	✓	2nd M.2 highest PCI Express generation	4.0
Front panel connector	✓	BIOS	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
CPU fan connector	✓	BIOS memory size	256 Mbit
Number of CPU fan connectors	2	ACPI version	5.0
Number of chassis fan connectors	4	Clear CMOS jumper	✓
EPS power connector (8-pin)	✓	Desktop Management Interface (DMI) version	2.7
Number of EPS power connectors (8-pin)	1	System Management BIOS (SMBIOS) version	2.7
TPM connector	✓	Logistics data	
Serial port headers	1	Country of origin	China
Thunderbolt headers	1	Products per shipping (inner) case	1 pc(s)
12V power connector	✓	Battery	
Number of water pump connectors	2	Battery weight	3 g
RGB LED pin header	✓	Lithium weight per battery	0.07 g
Number of RGB LED pin headers	5	Number of battery cells	1
Rear panel I/O ports		Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 2.0 ports quantity *	4	Battery type	CR2032
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	5	Packaging data	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Package width	270 mm
USB 3.2 Gen 2x2 Type-C ports quantity	1	Package depth	268 mm
Ethernet LAN (RJ-45) ports *	1	Package height	68 mm
HDMI ports quantity *	1	Package weight	1.9 kg
		Weight & dimensions	
		Width	244 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	1.66 kg
		Technical details	
		Warranty period	3 year(s)



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