

GIGABYTE B860M E Motherboard - Intel Core Ultra Series CPUs, 4+1+2 Phases VRM, up to 8800MHz DDR5 (O.C), 2xPCIe 4.0 M.2, 1GbE LAN, USB 3.2 Gen 1

Brand : GIGABYTE

Product code: B860M E

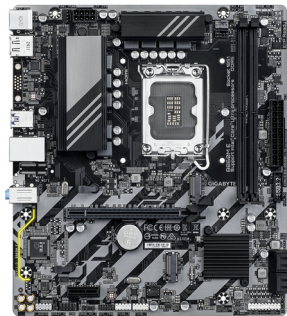
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- Supports Intel Core Ultra processors (Series 2)
- Hybrid 4+1+2 phases VRM solution
- D5 Bionic Corsa for Infinite Memory Performance
- AI Perfdrive: Provides optimal and customized BIOS preset profile for users
- EZ-Latch: PCIe x16 Slot with Quick Release Design
- Friendly UI: Multi-Theme, AIO Fan Control, and Q-Flash Auto Scan in BIOS and SW
- Next Generation Storage: 2*PCIe 4.0 x4 M.2 Connectors
- Fast Networking: GbE LAN
- Extended Connectivity: HDMI, DisplayPort

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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 technology.



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	Headphone outputs	1
Processor socket *	LGA 1851 (Socket V1)	Line-in	✓
Compatible processor series *	Intel Core Ultra (Series 2)	Microphone in	✓
Supported processor sockets	LGA 1851	Network	
Memory		Ethernet LAN	✓
Supported memory types *	DDR5-SDRAM	Ethernet interface type	Gigabit Ethernet
Number of memory slots *	2	LAN controller	Realtek RTL8111H
Memory slots type	DIMM	Wi-Fi *	✗
Memory channels	Dual-channel	Features	
ECC compatibility	ECC & Non-ECC	Motherboard chipset *	Intel B860
Supported memory clock speeds	8800, 8600, 8400, 8266, 8200, 8000, 7950, 7900, 7800, 7600, 7400, 7200, 7000, 6800, 6600, 6400, 5600 MHz	Audio chip	Realtek ALC897
Supported memory clock speed (max)	8800 MHz	Audio output channels *	7.1 channels
Maximum internal memory *	128 GB	Product colour	Dark brown
Unbuffered memory	✓	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Maximum internal memory per slot	64 GB	Component for *	PC
Storage controllers		Motherboard form factor *	micro ATX
Supported storage drive types	HDD & SSD	Motherboard chipset family *	Intel
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Cooling type	Passive
Number of HDDs supported	4	Power source type	ATX
Number of storage drives supported	6	Windows operating systems supported	Windows 10 x64, Windows 11 x64
RAID support	✓	Expansion slots	
RAID levels	0, 1, 5, 10	PCI Express x1 (Gen 3.x) slots	1
Graphics		PCI Express x16 (Gen 4.x) slots	1
Parallel processing technology support *	Not supported	Number of M.2 (M) slots	2
Maximum resolution	4096 x 2160 pixels	1st M.2 largest key size	2280
HDCP	✓		
HDCP version	2.3		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	2		

Internal I/O		Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	1st M.2 highest PCI Express generation	4.0
Number of SATA III connectors *	4	2nd M.2 largest key size	2280
S/PDIF out connector	✓	2nd M.2 highest PCI Express generation	4.0
Front panel audio connector	✓	BIOS	
Front panel connector	✓	BIOS type *	UEFI AMI
ATX Power connector (24-pin)	✓	BIOS memory size	256 Mbit
CPU fan connector	✓	ACPI version	5.0
Number of CPU fan connectors	2	Clear CMOS jumper	✓
Number of chassis fan connectors	1	Desktop Management Interface (DMI) version	2.7
EPS power connector (8-pin)	✓	System Management BIOS (SMBIOS) version	2.7
Number of EPS power connectors (8-pin)	1	Logistics data	
TPM connector	✓	Country of origin	China
Serial port 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	2	Number of battery cells	1
Rear panel I/O ports		Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 2.0 ports quantity *	2	Battery type	CR2032
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Packaging data	
Ethernet LAN (RJ-45) ports *	1	Package width	265 mm
PS/2 ports quantity	1	Package depth	265 mm
HDMI ports quantity *	1	Package height	54 mm
HDMI version	2.1	Package weight	972.4 g
DisplayPorts quantity	1	Weight & dimensions	
DisplayPort version	2.1	Width	244 mm
		Depth	215 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version); LAN bandwidth management software
		Other features	
		Weight	890 g
		Technical details	
		Warranty period	3 year(s)



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Catalog Object Cloud



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