Brand: GIGABYTE

GIGABYTE B840M AORUS ELITE WIFI6E Motherboard - AMD Ryzen 9000 CPUs, 10+2+2 Phases VRM, up to 8200MHz DDR5(O.C), 2xPCle 4.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2

Product code: B840M A ELT WF6E

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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 *		AMD	Microphone in	✓	
Processor socket *		AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	WiFi-AP antenna jack	2	
Compatible processor series *			Network		
			Ethernet LAN	✓	
Supported processor sockets		Socket AM5	Ethernet interface type	2.5 Gigabit Ethernet	
Memory Supported memory types *	DDR5-SDRAM		LAN controller	Realtek RTL8125	
Number of memory slots * Memory slots type	4 DIMM		Wi-Fi *	✓	
Memory channels ECC compatibility	Dual-channel Non-ECC		Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	
Supported memory clock speeds Supported memory clock speed (max) Maximum internal memory * Unbuffered memory	8200 MHz 256 GB	7400,7200,7000,6800,6600,6400,6200,6000,5800,5600,5200,4800,4400	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 per slot			WLAN controller model	Realtek RTL8852CE	
Storage controll	ers		Bluetooth	✓	
Supported storage drive types		HDD & SSD	Bluetooth version	5.3	
Supported storage	drive interfaces *	M.2, PCI Express 4.0, SATA III	Features		
Number of HDDs supported		4	Motherboard chipset *	AMD B840	
Number of storage drives supported		6	Audio chip	Realtek ALC897	
RAID support		✓	Audio output channels *	7.1 channels	
RAID levels		0, 1, 10	Product colour	Dark brown	
Graphics			PC health monitoring	Fan, Temperature, Voltage, Water cooling	
Parallel processing technology support *		Not supported	Component for *	PC	
Maximum resolution		4096 x 2160 pixels	Motherboard form factor *	micro ATX	
HDCP		✓	Motherboard chipset family *	AMD	
DirectX version		12.0	Cooling type	Passive	
		12.0	Power source type	ATX	
Internal I/O			Windows operating systems	Windows 10 x64, Windows 11 x64	
USB 2.0 connectors * 2		2	supported	· ·	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *		2	Expansion slots	1	
Number of SATA III connectors *			PCI Express x16 (Gen 3.x) slots	1	
Front panel audio connector			PCI Express x16 (Gen 4.x) slots Number of M.2 (M) slots	1 2	

Front panel connector ATX Power connector (24-pin) CPU fan connector Number of CPU fan connectors Number of chassis fan connectors EPS power connector (8-pin) Number of EPS power connectors Number of EPS power connectors Number of EPS power connectors Number of Water pump connector RGB LED pin header Number of RGB LED pin headers ATX Power connector Ist M.2 largest key size A.0 Seneration And M.2 largest key size BIOS Seneration And M.2 largest key size BIOS BIOS BIOS BIOS BIOS BIOS BIOS BIOS ACPI version Clear CMOS jumper Clear CMOS jumper Desktop Management Interface (DMI) version System Management BIOS (SMBIOS)				
ATX Power connector (24-pin)	Internal I/O		Expansion slots	
generation 4.0 CPU fan connector	Front panel connector	✓	1st M.2 largest key size	2580
Number of CPU fan connectors 2 Mumber of chassis fan connectors 4 generation 2 and M.z. largest Key size 3 d. 0. 3 d.	• • •	✓		4.0
Number of chassis fan connectors 4 generation generation generation (8-pin) Number of PSP power connectors (8-pin) Number of PSP power connectors (8-pin) PM connector ACPI version Clear CMOS jumper ACPI version ACPI version ACPI version Clear CMOS jumper ACPI version ACPI ver	CPU fan connector		2nd M.2 largest key size	22110
Reference of Creases and Contention (Contention of Contention of Content			2nd M.2 highest PCI Express	4.0
Number of EPS power connectors (8-pin) BIOS type* UEFI AMI (8-pin) 256 Mbit 17M connector	Number of chassis fan connectors	4	generation	4.0
BIOS memory size		1	BIOS	
IPM connector Variable Varia		1	71	
12V power connector V Number of water pump connectors 2 RGB LED pin header V Number of RGB LED pin headers 4 System Management Interface (SMBIOS) version 2.7 USB 2.0 ports quantity* 4 USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity* 2 USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity* 1 USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity* 1 USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity* 1 HEMPORT QUARTITY 1 Ethernet LAN (RJ-45) ports ** 1 HDMI ports quantity* 1 Package width 270 mm DisplayPorts quantity 1 Package depth 268 mm Headphone outputs 1 Line-in Y Package weight 1.59 kg Weight & dimensions Width 244 mm Depth 244 mm	TPM connector	✓	•	
Number of Water pump connectors 2 RGB LED pin header	12V power connector	✓		
RGB LED pin header	Number of water pump connectors	2	, ,	•
Number of RGB LED pin headers 4 System Management BIOS (SMBIOS) version (S	RGB LED pin header	✓		2.7
Name No ports No ports USB 2.0 ports quantity 4	Number of RGB LED pin headers	4	System Management BIOS	2.7
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * USB 3.2 Gen 2 (3.1 Gen 1) Type-C ports quantity * USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * 1	Rear panel I/O ports			
ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-C 1 Battery weight 3 g ports quantity * USB 3.2 Gen 2 (3.1 Gen 2) Type-A 1 Lithium weight per battery 0.07 g Number of battery cells 1 Lithium-Manganese Dioxide (LIMnO2)	USB 2.0 ports quantity *	4		
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	` ' '	2	Products per shipping (inner) case	1 pc(s)
ports quantity * 1			Battery	
ports quantity * 1 Ethernet LAN (R)-45) ports * 1 Ethernet LAN (R)-45) ports * 1 PS/2 ports quantity 1 1 Battery technology (LimnO2) Battery type CR2032 HDMI ports quantity 1 DisplayPorts quantity 1 DisplayPorts quantity 1 DisplayPort version 1.4 Package width 268 mm Headphone outputs 1 DisplayPort version 1.4 Package weight 68 mm Line-in V Package weight 1.59 kg Weight & dimensions Width 244 mm Depth 244 mm Depth 244 mm Height 35 mm Packaging content Batteries included ✓ Antenna included ✓ Screws included ✓ Antenna included ✓ Screws included ✓ Antenna included ✓ Screws included ✓ Worton® Internet Security (OEM version) LAN bandwidth management software Other features Weight 1.5 kg		1	Battery weight	3 g
ports quantity 1 Ethernet LAN (R]-45) ports 1 PS/2 ports quantity 1 Ethernet LAN (R]-45) ports 1 PS/2 ports quantity 1 Ethernet LAN (R]-45) ports 2 Ethernet LAN	USB 3.2 Gen 2 (3.1 Gen 2) Type-A	1	Lithium weight per battery	0.07 g
PS/2 ports quantity 1 HDMI ports quantity * 1 HDMI ports quantity * 1 HDMI version 2.1 Packaging data DisplayPorts quantity 1 DisplayPort version 1.4 Headphone outputs 1 Line-in	ports quantity *		Number of battery cells	1
HDMI ports quantity * 1 HDMI version 2.1 Packaging data DisplayPorts quantity 1 DisplayPort version 1.4 Headphone outputs 1 Line-in			Battery technology	5
HDMI version 2.1 Packaging data DisplayPorts quantity 1 DisplayPort version 1.4 Package width 268 mm Headphone outputs 1 Line-in	· · · · ·			
DisplayPorts quantity DisplayPort version 1.4 Package depth Package height 268 mm Package weight 1.59 kg Weight & dimensions Width Depth Depth Packaging content Batteries included Antenna included Antenna included ✓ Screws included ✓ Screws included ✓ Morton® Internet Security (OEM version) LAN bandwidth management software DisplayPort version Packaging content Batteries included ✓ Correws included ✓ Corr				CR2032
DisplayPort version 1.4 Package depth Package depth Package height Package weight Package weig			Packaging data	
Headphone outputs Line-in Package deptn Package weight Package w			•	270 mm
Line-in Package weight Package weight Weight & dimensions Width Depth Height Packaging content Packaging content Batteries included Antenna included Antenna included Screws included Fackaging content Packaging content Batteries included Antenna included Fackaging content Fackaging content Fackaging content Fackaging content Fackaging content Fackage weight Fack	• •		Package depth	268 mm
Weight & dimensions Width 244 mm Depth 244 mm Height 35 mm Packaging content Batteries included ✓ Antenna included ✓ Screws included ✓ Screws included ✓ Worson Internet Security (OEM version) LAN bandwidth management software Other features Weight 1.5 kg	·		Package height	68 mm
Width 244 mm Depth 244 mm Height 35 mm Packaging content Batteries included ✓ Antenna included ✓ Screws included ✓ Screws included ✓ Other features Weight 1.5 kg	Line-in		Package weight	1.59 kg
Depth Height 35 mm Packaging content Batteries included			Weight & dimensions	
Height 35 mm Packaging content Batteries included Antenna included Screws included Screws included Bundled software Other features Weight 35 mm Norton® Internet Security (OEM version) LAN bandwidth management software			Width	244 mm
Height 35 mm Packaging content Batteries included Antenna included Screws included Screws included Bundled software Other features Weight 35 mm Norton® Internet Security (OEM version) LAN bandwidth management software			Depth	244 mm
Batteries included Antenna included Screws included Bundled software Other features Weight V Norton® Internet Security (OEM version) LAN bandwidth management software			Height	35 mm
Antenna included Screws included Bundled software Other features Weight V Norton® Internet Security (OEM version) LAN bandwidth management software			Packaging content	
Screws included Norton® Internet Security (OEM version) LAN bandwidth management software Other features Weight 1.5 kg			Batteries included	✓
Bundled software Norton® Internet Security (OEM version) LAN bandwidth management software Other features Weight 1.5 kg			Antenna included	✓
Bundled software Norton® Internet Security (OEM version) LAN bandwidth management software Other features Weight 1.5 kg			Screws included	✓
Weight 1.5 kg				version) LAN bandwidth
			Other features	
			Weight	1.5 kg
Warranty period 3 year(s)			Warranty period	3 year(s)



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Catalog Object Cloud



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