

GIGABYTE B840M GAMING PLUS WIFI6E Motherboard - AMD Ryzen 9000 CPUs, 8+2+2 Phases VRM, up to 8200MHz DDR5(O.C), 2xPCIe 4.0 M.2, Wi-Fi 6E, 1GbE LAN, USB 3.2 Gen 2

Brand : GIGABYTE

Product code: B840M GAMING P WF6E

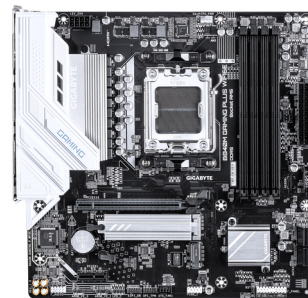
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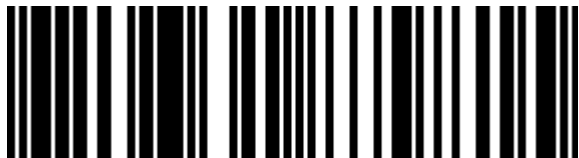
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content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



Processor		Network	
Processor manufacturer *	AMD	Ethernet LAN	✓
Processor socket *	Socket AM5	Ethernet interface type	Gigabit Ethernet
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	LAN controller	Realtek RTL8111H
		Wi-Fi *	✓
Supported processor sockets	Socket AM5	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Memory		WLAN controller model	MediaTek MT7902
Supported memory types *	DDR5-SDRAM	Bluetooth	✓
Number of memory slots *	4	Bluetooth version	5.3
Memory slots type	DIMM	Features	
Memory channels	Dual-channel	Motherboard chipset *	AMD B840
ECC compatibility	Non-ECC	Audio chip	Realtek ALC897
Supported memory clock speeds	8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5600,5800 MHz	Audio output channels *	7.1 channels
Supported memory clock speed (max)	8200 MHz	Product colour	Dark brown
Maximum internal memory *	256 GB	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Unbuffered memory	✓	Component for *	PC
Maximum internal memory per slot	64 GB	Motherboard form factor *	micro ATX
Storage controllers		Motherboard chipset family *	AMD
Supported storage drive types	HDD & SSD	Cooling type	Passive
Supported storage drive interfaces *	M.2, PCI Express 4.0, SATA III	Power source type	ATX
Number of HDDs supported	4	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Number of storage drives supported	6	Expansion slots	
RAID support	✓	PCI Express x1 (Gen 3.x) slots	1
RAID levels	0, 1, 10, 5	PCI Express x16 (Gen 4.x) slots	1
Graphics		Number of M.2 (M) slots	2
Parallel processing technology support *	Not supported	1st M.2 largest key size	2580
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
HDCP version	2.3		
DirectX version	12.0		

Internal I/O		Expansion slots	
USB 2.0 connectors *	1	1st M.2 highest PCI Express generation	4.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	2nd M.2 largest key size	2280
Number of SATA III connectors *	4	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	1	Clear CMOS jumper	✓
Number of chassis fan connectors	2	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
RGB LED pin header	✓	Products per shipping (inner) case	1 pc(s)
Number of RGB LED pin headers	4	Battery	
Rear panel I/O ports		Battery weight	3 g
USB 2.0 ports quantity *	3	Lithium weight per battery	0.07 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Number of battery cells	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Battery capacity	220 mAh
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Ethernet LAN (RJ-45) ports *	1	Battery type	CR2032
HDMI ports quantity *	1	Packaging data	
HDMI version	2.1	Package width	270 mm
DisplayPorts quantity	2	Package depth	268 mm
DisplayPort version	1.4	Package height	68 mm
Headphone outputs	1	Package weight	1.24 kg
Line-in	✓	Weight & dimensions	
Microphone in	✓	Width	244 mm
WiFi-AP antenna jack	2	Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		Other features	
		Weight	1.15 kg
		Technical details	
		Warranty period	3 year(s)



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