

## ASUS ROG STRIX B650E-F GAMING WIFI AMD B650 Socket AM5 ATX

**Brand :** ASUS

**Product code:** 90MB1BQ0-M0EAY1

**Product name :** ROG STRIX B650E-F GAMING WIFI

AMD AM5, Ryzen 7000, ATX, DDR5, 12+2 Power Stages, USB 3.2 Gen 2x2 Typ-C, PCIe 5.0, Q-Release, WiFi 6E, Aura Sync

ASUS ROG STRIX B650E-F GAMING WIFI. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Ethernet interface type: 2.5 Gigabit Ethernet, LAN controller: Intel I225-V, Top Wi-Fi standard: Wi-Fi 6E (802.11ax). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: AMD



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Processor socket *	Socket AM5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Compatible processor series *	AMD Ryzen 7000 Series	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Supported processor sockets	Socket AM5	USB 3.2 Gen 2x2 Type-C ports quantity	1
Memory		Ethernet LAN (RJ-45) ports *	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	1
Memory channels	Dual-channel	DisplayPort version	1.4
ECC compatibility	ECC & Non-ECC	Headphone outputs	1
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz	Line-in	✓
Supported memory clock speed (max)	6400 MHz	Microphone in	✓
Maximum internal memory *	128 GB	WiFi-AP antenna jack	2
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, SATA III	LAN controller	Intel I225-V
Number of HDDs supported	4	Wi-Fi *	✓
Number of storage drives supported	7	Top Wi-Fi standard	Wi-Fi 6E (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), Wi-Fi 6E (802.11ax)
RAID levels	0, 1, 10	Bluetooth	✓
Graphics		Bluetooth version	5.2
Parallel processing technology support *	Not supported	Features	
On-board graphics card	✗	Motherboard chipset *	AMD B650
Internal I/O		Audio chip	Realtek ALC4080
USB 2.0 connectors *	2	Audio output channels *	7.1 channels
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Product colour	Black
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Component for *	PC
Number of SATA III connectors *	4		
S/PDIF out connector	✓		

Internal I/O		Features	
Front panel audio connector	✓	Motherboard form factor *	ATX
ATX Power connector (24-pin)	✓	Motherboard chipset family *	AMD
CPU fan connector	✓	Cooling type	Passive
Number of chassis fan connectors	4	Power source type	ATX
Chassis intrusion connector	✓	Windows operating systems supported	Windows 11 x64
Peripheral (Molex) power connectors (4-pin)	1	<b>Expansion slots</b>	
EPS power connector (8-pin)	✓	PCI Express x1 (Gen 4.x) slots	2
Number of COM connectors	1	PCI Express x16 (Gen 4.x) slots	1
Thunderbolt headers	1	PCI Express x16 (Gen 5.x) slots	1
12V power connector	✓	Number of M.2 (M) slots	3
RGB LED pin header	✓	<b>BIOS</b>	
<b>Rear panel I/O ports</b>		BIOS type *	UEFI AMI
USB 2.0 ports quantity *	4	BIOS memory size	256 Mbit
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		<b>Packaging content</b>	
		Cables included	SATA
		User guide	✓
		<b>Other features</b>	
		Back-to-BIOS button	✓



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