

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

**Brand :** ASUS

**Product code:** 90MB1BQ0-M0EAY0

**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™ 7. 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 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor socket *	Socket AM5	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Compatible processor series *	AMD Ryzen™ 7	Ethernet LAN (RJ-45) ports *	1
Supported processor sockets	Socket AM5	HDMI ports quantity *	1
<b>Memory</b>		DisplayPorts quantity	1
Supported memory types *	DDR5-SDRAM	Headphone outputs	3
Number of memory slots *	4	Line-in	✓
Memory slots type	DIMM	Microphone in	✓
Memory channels	Dual-channel	<b>Network</b>	
ECC compatibility	ECC & Non-ECC	Ethernet LAN	✓
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	128 GB	LAN controller	Intel I225-V
Unbuffered memory	✓	Wi-Fi *	✓
<b>Storage controllers</b>		Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported storage drive types	HDD & SSD	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)
Supported storage drive interfaces *	M.2, SATA III	Bluetooth	✓
RAID support	✓	Bluetooth version	5.2
RAID levels	0, 1, 10	<b>Features</b>	
<b>Graphics</b>		Motherboard chipset *	AMD B650
Parallel processing technology support *	Not supported	Audio chip	Realtek ALC4080
<b>Internal I/O</b>		Audio output channels *	7.1 channels
USB 2.0 connectors *	4	Component for *	PC
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard form factor *	ATX
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Motherboard chipset family *	AMD
Number of SATA III connectors *	4	Windows operating systems supported	Windows 11 x64
S/PDIF out connector	✓		
Front panel audio connector	✓		
ATX Power connector (24-pin)	✓		

Internal I/O		Expansion slots	
CPU fan connector	✓	PCI Express x1 (Gen 4.x) slots	2
Number of chassis fan connectors	4	PCI Express x16 (Gen 4.x) slots	1
Chassis intrusion connector	✓	PCI Express x16 (Gen 5.x) slots	1
Peripheral (Molex) power connectors (4-pin)	1	Number of M.2 (M) slots	3
EPS power connector (8-pin)	✓	BIOS	
Number of COM connectors	1	BIOS type *	UEFI AMI
Thunderbolt headers	1	BIOS memory size	256 Mbit
12V power connector	✓	Clear CMOS button	✓
RGB LED pin header	✓	Packaging data	
Rear panel I/O ports		Package width	280 mm
USB 2.0 ports quantity *	4	Package depth	265 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package height	71 mm
		Package weight	9.22 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA



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