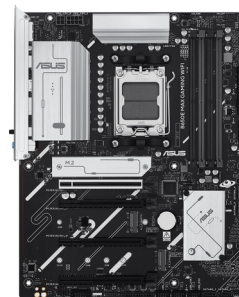# ASUS B650E MAX GAMING WIFI AMD B650 Socket AM5 ATX

Brand : ASUS   **Product code:** 90MB1LD0-M0EAY0

Product name : B650E MAX GAMING WIFI

- AMD AM5 Socket: Ready for AMD Socket AM5 for AMD Ryzen™ 9000 & 8000 & 7000 Series Desktop Processors
- Ultrafast Connectivity: Wi-Fi 6E, PCIe 5.0 x16 slot, PCIe 5.0 M.2 slots, Realtek 2.5Gb Ethernet, rear USB 10Gbps Type-A & Type-C® ports, and front USB 5Gbps Type-C® support
- Comprehensive Cooling: VRM and M.2 heatsinks, PCH heatsink, hybrid fan headers and Fan Xpert 2+
- DIY Friendly Design: Pre-mounted I/O shield, BIOS FlashBack™, Q-Antenna, Q-LED Core
- Unmatched Personalization: Three Addressable RGB Gen 2 headers, all configurable with ASUS-exclusive Aura Sync RGB lighting
- CEC Tier II ready

B650E MAX GAMING WIFI motherboard socket AMD AM5 (ATX, DDR5, PCIe 5.0, 3x M.2, Wi-Fi 6E, Realtek 2.5Gb Ethernet, DisplayPort, HDMI, BIOS FlashBack, Aura Sync)

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM5
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series
Supported processor sockets	Socket AM5

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
Supported memory clock speed (max)	8000 MHz
Maximum internal memory *	256 GB
Unbuffered memory	✔

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, PCI Express 5.0, SATA III
Number of HDDs supported	4
Number of storage drives supported	7
RAID support	✔
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	Not supported

Internal I/O

USB 2.0 connectors *	3

Rear panel I/O ports

Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Line-in	✔
Microphone in	✔
WiFi-AP antenna jack	2

Network

Ethernet LAN	✔
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Bluetooth	✔
Bluetooth version	5.3

Features

Motherboard chipset *	AMD B650
Audio output channels *	7.1 channels
Product colour	Black
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 10 x64, Windows 11

Internal I/O

USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	4
S/PDIF out connector	✔
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of CPU fan connectors	2
Number of chassis fan connectors	4
Chassis intrusion connector	✔
Peripheral (Molex) power connectors (4-pin)	1
EPS power connector (8-pin)	✔
Number of EPS power connectors (8-pin)	1
Number of COM connectors	1
TPM connector	✔
Thunderbolt headers	1
Number of water pump connectors	1
RGB LED pin header	✔
Number of RGB LED pin headers	3

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1

Expansion slots

PCI Express x16 (Gen 3.x) slots	2
PCI Express x16 (Gen 4.x) slots	1
PCI Express x16 (Gen 5.x) slots	1
Number of M.2 (M) slots	3
1st M.2 largest key size	2280
1st M.2 highest PCI Express generation	5.0
2nd M.2 largest key size	2280
2nd M.2 highest PCI Express generation	4.0
3rd M.2 largest key size	22110
3rd M.2 highest PCI Express generation	4.0

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit

Packaging data

Package width	353 mm
Package depth	273 mm
Package height	68 mm
Package weight	1.26 kg

Weight & dimensions

Width	305 mm
Depth	244 mm
Height	48 mm

Packaging content

Cables included	SATA
Antenna included	✔
Screws included	✔

Other features

Weight	1.05 kg

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