ASUS ROG STRIX X870E-E GAMING WIFI7 NEO AMD X870E Socket AM5 ATX



Brand : ASUS

Product code: 90MB1P20-M0EAY0

Product name : ROG STRIX X870E-E GAMING WIFI7 NEO

Socket AM5, AMD X870E Chipset, 4 x DDR5-SDRAM up to 256GB, LAN, WLAN, 1 x RJ-45, 4 x SATA III, 5 x M.2(M), UEFI AMI, ATX

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ROG Strix X870E-E Gaming WiFi7 Neo
The ROG Strix X870E-E Gaming WiFi7 Neo is designed to unleash the power of AMD Ryzen™ 9000 Series processors. Enhancements such as PCIe® lane optimization deliver higher speeds to five M.2 slots, all of which feature Q-Release for EZ DIY installation, just like the PCIe 5.0 x16 slot. AI Cache Boost optimizes CPU cache and memory pathways to accelerate AI workloads, while NitroPath DRAM Technology and a server-grade low-etch PCB enhance signal integrity for more stable DDR5 tuning and greater overclocking headroom. A spacious 64MB BIOS chip delivers broad AM5 CPU compatibility, and the redesigned BIOS interface offers a smoother user experience.



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

Memory	
Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Maximum internal memory *	256 GB
Unbuffered memory	✔

Storage controllers	
Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	SATA III, M.2
Number of HDDs supported	4
Number of storage drives supported	9
RAID support	✔
RAID levels	0, 1, 5, 10

Graphics	
Parallel processing technology support *	Not supported

Internal I/O	
USB 2.0 connectors *	3
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
USB 3.2 Gen 2x2 connectors	2

Network	
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
WLAN controller model	MediaTek MT7927
Bluetooth	✔

Features	
Motherboard chipset *	AMD X870E
Audio output channels *	7.1 channels
Product colour	Black
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Windows operating systems supported	Windows 11

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

Internal I/O	
Number of SATA III connectors *	4
Front panel audio connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of chassis fan connectors	5
Chassis intrusion connector	✔
EPS power connector (8-pin)	✔
12V power connector	✔
RGB LED pin header	✔

Rear panel I/O ports	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	9
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
USB4 Gen 3x2 ports quantity	2
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
Microphone in	✔
S/PDIF out port	✔

Network	
Ethernet LAN	✔
Ethernet interface type	5 Gigabit Ethernet

Expansion slots	
4th M.2 highest PCI Express generation	4.0
5th M.2 largest key size	2280
5th M.2 highest PCI Express generation	4.0

BIOS	
BIOS type *	UEFI AMI
BIOS memory size	64 Mbit
Clear CMOS button	✔

Packaging data	
Package width	353 mm
Package depth	273 mm
Package height	68 mm
Package weight	2.7 kg

Weight & dimensions	
Width	305 mm
Depth	244 mm

Packaging content	
Cables included	SATA
Antenna included	✔
Screws included	✔

Other features	
Weight	1.9 kg

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Catalog Object Cloud

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Publication date: 04-NOV-2026. Prints or copies of Information are only valid on the printed Publication date