ASUS ROG CROSSHAIR X870E APEX AMD X870E Socket AM5 ATX

Brand : ASUS

Product code: 90MB1KR0-M0EAY0

Product name : ROG CROSSHAIR X870E APEX

ROG CROSSHAIR X870E APEX Gaming AMD AM5 (Ryzen 9000, ATX, PCIe 5.0, DDR 5, WiFi 7, AI Overclocking, PCIe Q-Release, Aura Sync)

ASUS ROG CROSSHAIR X870E APEX AMD X870E Socket AM5 ATX:

ROG Crosshair X870E APEX

The AI PC-ready ROG Crosshair X870E Apex is built for world-record overclocking, courtesy of extensive BIOS features and the exotic cooling of the ROG-exclusive Memory Fan Kit. Beyond its overclocking prowess, it delivers comprehensive support for cutting-edge graphics cards and storage, making it the ultimate platform for AM5 AMD Ryzen™ performance enthusiasts.

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 *	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Maximum internal memory *	128 GB
Unbuffered memory	✔

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
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

Network

Ethernet LAN	✔
Ethernet interface type	5 Gigabit Ethernet
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Bluetooth	✔
Bluetooth version	5.4

Features

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

Expansion slots

PCI Express x1 (Gen 3.x) slots	1
PCI Express x4 (Gen 4.x) slots	1
PCI Express x16 (Gen 4.x) slots	2
PCI Express x16 (Gen 5.x) slots	2
Number of M.2 (M) slots	5
1st M.2 largest key size	2280
1st M.2 highest PCI Express generation	5.0

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
USB 3.2 Gen 2x2 connectors	2
Number of SATA III connectors *	4
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of chassis fan connectors	2
EPS power connector (8-pin)	✔
12V power connector	✔
RGB LED pin header	✔
Number of RGB LED pin headers	3

Rear panel I/O ports

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 *	5
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
USB4 Gen 3x2 ports quantity	2
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
S/PDIF out port	✔
WiFi-AP antenna jack	1

Expansion slots

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	5.0
4th M.2 largest key size	22110
4th M.2 highest PCI Express generation	4.0
5th M.2 largest key size	22110
5th M.2 highest PCI Express generation	4.0

BIOS

BIOS type *	UEFI AMI
BIOS memory size	512 Mbit

Packaging data

Package width	370 mm
Package depth	312 mm
Package height	108 mm
Package weight	4.16 kg

Weight & dimensions

Width	305 mm
Depth	244 mm

Packaging content

Cables included	SATA
Antenna included	✔
Screws included	✔
Drivers included	✔

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