

GIGABYTE X870E AORUS XTREME AI TOP AMD X870E Protsessoripesa AM5 Laiendatud ATX

Brand : GIGABYTE

Product code: X870E A XTREME AI TOP

Product name : X870E AORUS XTREME AI TOP

GIGABYTE X870E AORUS XTREME AI TOP. Protsessori tootja: AMD, Protsessori pesa: Protsessoripesa AM5, Ühilduvad protsessoriseeriad: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Toetatud mälutüübid: DDR5-SDRAM, Maksimalne sisemälu: 256 GB, Mälupesade tüüp: DIMM. Kõvaketta ühenduse tüüp: M.2, SATA III, Toetatud ketaste tüübid: HDD & SSD, RAID-tasemed: 0, 1, 10. Maksimalne resolutsioon: 4096 x 2160 pikslit. Ethernet-liidese tüüp: 10 Gigabit Ethernet, LAN-kontroller: Marvell AQtion AQC113C, Wi-Fi standard: Wi-Fi 7 (802.11be)



Processor		Network	
Processor manufacturer *	AMD	Wi-Fi *	✓
Processor socket *	Socket AM5	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	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), Wi-Fi 7 (802.11be)
Supported processor sockets	Socket AM5	WLAN controller model	Qualcomm QCNM865
Memory		Bluetooth	✓
Supported memory types *	DDR5-SDRAM	Bluetooth version	5.3
Number of memory slots *	4	Features	
Memory slots type	DIMM	Motherboard chipset *	AMD X870E
Memory channels	Dual-channel	Audio chip	Realtek ALC1220
ECC compatibility	ECC & Non-ECC	Audio output channels *	7.1 channels
Supported memory clock speeds (MHz)	8800, 8600, 8400, 8266, 8200, 8000, 7950, 7900, 7800, 7600, 7400, 7200, 7000, 6800, 6600, 6400, 6200, 6000, 5800, 5600, 5200, 4800, 4400	Product colour	Black
Supported memory clock speed (max)	8800 MHz	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Maximum internal memory *	256 GB	Component for *	PC
Unbuffered memory	✓	Motherboard form factor *	Extended ATX
Maximum internal memory per slot	64 GB	Motherboard chipset family *	AMD
Storage controllers		Power source type	ATX
Supported storage drive types	HDD & SSD	Windows operating systems supported	Windows 11 x64
Supported storage drive interfaces *	M.2, SATA III	Expansion slots	
Number of HDDs supported	4	PCI Express x16 (Gen 4.x) slots	1
Number of storage drives supported	8	PCI Express x16 (Gen 5.x) slots	2
RAID support	✓	Number of M.2 (M) slots	4
RAID levels	0, 1, 10	1st M.2 largest key size	25110
Graphics		1st M.2 highest PCI Express generation	5.0
Parallel processing technology support *	Not supported		
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	2		

Internal I/O		Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	2nd M.2 largest key size	22110
USB 3.2 Gen 2x2 connectors	1	2nd M.2 highest PCI Express generation	4.0
Number of SATA III connectors *	4	3rd M.2 largest key size	22110
Front panel audio connector	✓	3rd M.2 highest PCI Express generation	4.0
Front panel connector	✓	4th M.2 largest key size	22110
ATX Power connector (24-pin)	✓	4th M.2 highest PCI Express generation	4.0
CPU fan connector	✓	BIOS	
Number of CPU fan connectors	1	BIOS type *	UEFI AMI
Number of chassis fan connectors	8	BIOS memory size	256 Mbit
EPS power connector (8-pin)	✓	ACPI version	5.0
Number of EPS power connectors (8-pin)	2	Clear CMOS jumper	✓
TPM connector	✓	Clear CMOS button	✓
Number of water pump connectors	5	Desktop Management Interface (DMI) version	2.7
RGB LED pin header	✓	System Management BIOS (SMBIOS) version	2.7
Number of RGB LED pin headers	4	Logistics data	
Rear panel I/O ports		Country of origin	Taiwan
USB 2.0 ports quantity *	2	Products per shipping (inner) case	1 pc(s)
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	Battery	
USB4 Gen 2x2 ports quantity	2	Battery weight	3 g
Ethernet LAN (RJ-45) ports *	2	Lithium weight per battery	0.07 g
HDMI ports quantity *	1	Number of battery cells	1
HDMI version	2.1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
DisplayPort version	1.4	Battery type	CR2032
Line-in	✓	Packaging data	
Microphone in	✓	Package width	381 mm
S/PDIF out port	✓	Package depth	311 mm
WiFi-AP antenna jack	2	Package height	107 mm
Network		Package weight	4.5 kg
Ethernet LAN	✓	Weight & dimensions	
Ethernet interface type	10 Gigabit Ethernet	Width	305 mm
LAN controller	Marvell AQtion AQC113C	Depth	269 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	3.76 kg
		Technical details	
		Warranty period	3 year(s)



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