

GIGABYTE X870E AORUS XTREME AI TOP Motherboard - Supports AMD Ryzen 9000 Series CPUs, 18+2+2 phases VRM, up to 8800MHz DDR5 (OC), 1xPCIe 5.0 M.2 + 3xPCIe 4.0 M.2, WI-FI 7, 10GbE LAN, USB 4

Brand : GIGABYTE

Product code: X870E A XTREME AI TOP

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge



| 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 | 8800, 8600, 8400, 8266, 8200, 8000, 7950, 7900, 7800, 7600, 7400, 7200, 7000, 6800, 6600, 6400, 6200, 6000, 5800, 5600, 5200, 4800, 4400 MHz | 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 | 2nd M.2 largest key size | 22110 |
| Maximum resolution | 4096 x 2160 pixels | 2nd M.2 highest PCI Express generation | 4.0 |
| HDCP | ✓ | | |
| DirectX version | 12.0 | | |
| 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 | 1 | | |
| Number of SATA III connectors * | 4 | | |

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



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