

GIGABYTE Z890 AORUS XTREME AI TOP Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 22+1+2 phases VRM, up to 9500MHz DDR5 (OC), PCIe 5.0 M.2, Wi-Fi 7, Thunderbolt 5



Brand : GIGABYTE

Product code: Z890 A XTREME AI TOP

Product name : Z890 AORUS XTREME AI TOP Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 22+1+2 phases VRM, up to 9500MHz DDR5 (OC), PCIe 5.0 M.2, Wi-Fi 7, Thunderbolt 5



Z890 AORUS XTREME AI TOP Motherboard - Supports Intel Core Ultra (Series 2) CPUs, 22+1+2 phases VRM, up to 9500MHz DDR5 (OC), PCIe 5.0 M.2, Wi-Fi 7, Thunderbolt 5

[GIGABYTE Z890 AORUS XTREME AI TOP Motherboard - Supports Intel Core Ultra \(Series 2\) CPUs, 22+1+2 phases VRM, up to 9500MHz DDR5 \(OC\), PCIe 5.0 M.2, Wi-Fi 7, Thunderbolt 5:](#)

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 *	Intel	LAN controller	Marvell AQtion AQC113C
Processor socket *	LGA 1851 (Socket V1)	Wi-Fi *	✓
Compatible processor series *	Intel Core Ultra (Series 2)	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Supported processor sockets	LGA 1851	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)
Maximum internal memory supported by processor	256 GB	WLAN controller model	Intel Wi-Fi 7 BE200
Memory		Bluetooth	✓
Supported memory types *	DDRS-SDRAM	Bluetooth version	5.4
Number of memory slots *	4	Features	
Memory slots type	DIMM	Motherboard chipset *	Intel Z890
Memory channels	Dual-channel	Audio chip	ESS ES9280AC + ESS ES9080
ECC compatibility	ECC & Non-ECC	Audio output channels *	2.0 channels
Supported memory clock speeds	5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7900,7950,8000,8200,8266,8400,8600,9500 MHz	Product colour	Black
Supported memory clock speed (max)	9500 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 *	Intel
Storage controllers		Windows operating systems supported	Windows 11 x64
Supported storage drive types	HDD & SSD	Expansion slots	
Supported storage drive interfaces *	M.2, SATA III	PCI Express x16 (Gen 4.x) slots	1
Number of HDDs supported	4	PCI Express x16 (Gen 5.x) slots	2
Number of storage drives supported	8	Number of M.2 (M) slots	4
RAID support	✓	1st M.2 largest key size	25110
RAID levels	0, 1, 5, 10	1st M.2 highest PCI Express generation	5.0
Graphics		2nd M.2 largest key size	25110
Parallel processing technology support *	Not supported	2nd M.2 highest PCI Express generation	4.0
Maximum resolution	7680 x 4320 pixels	3rd M.2 largest key size	22110
HDCP	✓	3rd M.2 highest PCI Express generation	4.0
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
USB 3.2 Gen 2x2 connectors	2		
Number of SATA III connectors *	4		
Front panel connector	✓		

Internal I/O		Expansion slots	
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	2		
Number of chassis fan connectors	3		
EPS power connector (8-pin)	✓		
Number of EPS power connectors (8-pin)	2		
Thunderbolt headers	1		
Number of water pump connectors	2		
Number of temperature sensor headers	2		
Number of noise detection headers	1		
RGB LED pin header	✓		
Number of RGB LED pin headers	4		
Rear panel I/O ports		Logistics data	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	10	Country of origin	Taiwan
Ethernet LAN (RJ-45) ports *	2	Products per shipping (inner) case	1 pc(s)
Headphone outputs	1		
Microphone in	✓		
S/PDIF out port	✓		
Thunderbolt ports quantity	2		
WiFi-AP antenna jack	2		
Network		Battery	
Ethernet LAN	✓	Battery weight	3 g
Ethernet interface type	10 Gigabit Ethernet	Lithium weight per battery	0.07 g
		Number of battery cells	1
		Battery technology	Lithium-Manganese Dioxide (LiMnO ₂)
		Battery type	CR2032
Packaging data		Weight & dimensions	
		Package width	386 mm
		Package depth	370 mm
		Package height	140 mm
		Package weight	6.7 kg
Packaging content		Weight & dimensions	
		Width	304.8 mm
		Depth	305 mm
		Height	35 mm
Batteries included		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
Other features		Other features	
		Weight	5.03 kg
Technical details		Technical details	
		Warranty period	3 year(s)



4719331866174

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.