

GIGABYTE Z890 AI TOP motherboard Intel Z890 LGA 1851 (Socket V1) Extended ATX

Brand : GIGABYTE

Product code: Z890 AI TOP

Product name : Z890 AI TOP

LGA 1851 (Socket V1), Intel Z890 Chipset, 4 x DDR5-SDRAM up to 256GB, LAN, WLAN, 2 x RJ-45, 4 x SATA III, 4 x M.2(M), UEFI AMI, Extended ATX

GIGABYTE Z890 AI TOP. Processor manufacturer: Intel, Processor socket: LGA 1851 (Socket V1), Compatible processor series: Intel Core Ultra (Series 2). Supported memory types: DDR5-SDRAM, Maximum internal memory: 256 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 10 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), 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.... Component for: PC, Motherboard form factor: Extended ATX, Motherboard chipset family: Intel



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	S/PDIF out port	✓
Processor socket *	LGA 1851 (Socket V1)	Digital audio optical out	1
Compatible processor series *	Intel Core Ultra (Series 2)	Thunderbolt ports quantity	2
Supported processor sockets	LGA 1851	Network	
Maximum internal memory supported by processor	256 GB	Ethernet LAN	✓
Memory		Ethernet interface type	10 Gigabit Ethernet
Supported memory types *	DDR5-SDRAM	Wi-Fi *	✓
Number of memory slots *	4	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Memory slots type	DIMM	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)
Memory channels	Dual-channel	WLAN controller model	Intel Wi-Fi 7 BE200
ECC compatibility	Non-ECC	Bluetooth	✓
Supported memory clock speeds	5600,5800,6000,6200,6400,6600,6800,7000,7200,7400,7600,7800,7950,8000,8200,8266,8400,8600,9500,9466 MHz	Bluetooth version	5.4
Supported memory clock speed (max)	9500 MHz	Features	
Maximum internal memory *	256 GB	Motherboard chipset *	Intel Z890
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 24GB, 32GB, 40GB, 48GB, 64GB	Audio output channels *	2.0 channels
Storage controllers		Product colour	Black
Supported storage drive types	HDD & SSD	PC health monitoring	Fan, Temperature, Voltage
Supported storage drive interfaces *	M.2, SATA III	Component for *	PC
Number of HDDs supported	12	Motherboard form factor *	Extended ATX
Number of storage drives supported	8	Motherboard chipset family *	Intel
RAID support	✓	Windows operating systems supported	Windows 11 x64
RAID levels	0, 1, 5, 10	Expansion slots	
Internal I/O		PCI Express x16 slots	1
USB 2.0 connectors *	2	Number of M.2 (M) slots	4
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	BIOS	
USB 3.2 Gen 2x2 connectors	2	BIOS type *	UEFI AMI
Number of SATA III connectors *	8	BIOS memory size	256 Mbit
Total number of SATA connectors	8	ACPI version	5.0
ATX Power connector (24-pin)	✓	Clear CMOS jumper	✓
EPS power connector (8-pin)	✓		
TPM connector	✓		
Thunderbolt headers	1		
12V power connector	✓		
RGB LED pin header	✓		

Rear panel I/O ports		BIOS	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Clear CMOS button	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	Desktop Management Interface (DMI) version	2.7
Ethernet LAN (RJ-45) ports *	2	System Management BIOS (SMBIOS) version	2.7
HDMI ports quantity *	1	Logistics data	
Microphone in	✓	Products per shipping (inner) case	1 pc(s)
		Battery	
		Battery weight	3 g
		Lithium weight per battery	0.07 g
		Number of battery cells	1
		Battery technology	Lithium-Manganese Dioxide (LiMnO2)
		Battery type	CR2032
		Weight & dimensions	
		Width	305 mm
		Depth	285 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software

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