



ASUS TUF GAMING Z890-PLUS WIFI Intel Z890 LGA 1851 (Socket V1) ATX

Brand : ASUS

Product code: 90MB1IQ0-M0EAY0

Product name : TUF GAMING Z890-PLUS WIFI

TUF GAMING Z890-PLUS WIFI motherboard socket Intel LGA 1851 (ATX, PCIe 5.0, DDR5, DisplayPort, HDMI, Thunderbolt 4, 4x M.2, WiFi 7, Q-Release, Aura Sync)

ASUS TUF GAMING Z890-PLUS WIFI. 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: 192 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: 2.5 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: ATX, Motherboard chipset family: Intel



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor socket *	LGA 1851 (Socket V1)	HDMI version	2.1
Compatible processor series *	Intel Core Ultra (Series 2)	DisplayPorts quantity	1
Memory		DisplayPort version	1.4
Supported memory types *	DDR5-SDRAM	Headphone outputs	1
Number of memory slots *	4	Line-in	✓
Memory slots type	DIMM	S/PDIF out port	✓
Memory channels	Dual-channel	Thunderbolt ports quantity	1
Non-ECC	✓	WiFi-AP antenna jack	2
Supported memory clock speed (max)	8600 MHz	Network	
Maximum internal memory *	192 GB	Ethernet LAN	✓
Unbuffered memory	✓	Ethernet interface type	2.5 Gigabit Ethernet
Storage controllers		Wi-Fi *	✓
Supported storage drive types	HDD & SSD	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Supported storage drive interfaces *	M.2, SATA III	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)
Number of HDDs supported	4	Bluetooth	✓
Number of storage drives supported	8	Bluetooth version	5.4
RAID support	✓	Features	
RAID levels	0, 1, 5, 10	Motherboard chipset *	Intel Z890
Graphics		Audio chip	Realtek ALC1220P
Parallel processing technology support *	Not supported	Audio output channels *	7.1 channels
On-board graphics card	✗	Product colour	Black
Internal I/O		Component for *	PC
USB 2.0 connectors *	2	Motherboard form factor *	ATX
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Motherboard chipset family *	Intel
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Cooling type	Passive
Number of SATA III connectors *	4	Power source type	ATX
Front panel audio connector	✓	Windows operating systems supported	Windows 11

Internal I/O		Expansion slots	
ATX Power connector (24-pin)	✓	PCI Express x4 (Gen 1.x) slots	2
CPU fan connector	✓	PCI Express x4 (Gen 4.x) slots	1
Number of chassis fan connectors	4	PCI Express x16 (Gen 4.x) slots	1
Chassis intrusion connector	✓	PCI Express x16 (Gen 5.x) slots	1
EPS power connector (8-pin)	✓	Number of M.2 (M) slots	4
Number of COM connectors	1	BIOS	
Thunderbolt headers	1	BIOS type *	UEFI AMI
12V power connector	✓	BIOS memory size	256 Mbit
RGB LED pin header	✓	Packaging data	
Rear panel I/O ports		Package width	353 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Package depth	273 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3	Package height	68 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Package weight	2.34 kg
Ethernet LAN (RJ-45) ports *	1	Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Other features	
		Quick installation guide	✓
		Back-to-BIOS button	✓



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