

## ASUS ROG-STRIX-Z690-F-GAMING-WIFI Intel Z690 LGA 1700 ATX

**Brand :** ASUS

**Product code:** 90MB18M0-M0EAY0

**Product name :** ROG-STRIX-Z690-F-GAMING-WIFI

Intel® Z690 LGA 1700 ATX motherboard with PCIe® 5.0, 16+1 power stages, DDR5 memory support, Two-Way AI Noise Cancellation, AI Overclocking, AI Cooling, AI Networking, WiFi 6E (802.11ax), Intel® 2.5 Gb Ethernet, four M.2 slots with heatsinks, PCIe 4.0 NVMe® SSD support, M.2 backplate, PCIe® Slot Q-Release, USB 3.2 Gen 2x2 Type-C®, SATA and Aura Sync RGB lighting



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor socket *	LGA 1700	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G	HDMI ports quantity *	1
Memory		HDMI version	2.1
Supported memory types *	DDR5-SDRAM	Headphone outputs	1
Number of memory slots *	4	Microphone in	✓
Memory slots type	DIMM	S/PDIF out port	✓
Memory channels	Dual-channel	Network	
Non-ECC	✓	Ethernet LAN	✓
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz	Ethernet interface type	2.5 Gigabit Ethernet
Maximum internal memory *	128 GB	Wi-Fi *	✓
Unbuffered memory	✓	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Storage controllers		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)
Supported storage drive types	HDD & SSD	Bluetooth	✓
Supported storage drive interfaces *	M.2, SATA	Bluetooth version	5.2
RAID support	✓	Features	
RAID levels	0, 1, 5, 10	Motherboard chipset *	Intel Z690
Graphics		Audio chip	Realtek ALC4080
Parallel processing technology support *	Not supported	Audio output channels *	7.1 channels
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 *	1	Motherboard chipset family *	Intel
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Windows operating systems supported	Windows 10, Windows 11
Number of SATA III connectors *	6	Expansion slots	
Front panel audio connector	✓	PCI Express x1 (Gen 3.x) slots	1
ATX Power connector (24-pin)	✓	PCI Express x16 (Gen 3.x) slots	1
Power fan connector	✓	Number of M.2 (M) slots	4
CPU fan connector	✓	BIOS	
Number of chassis fan connectors	5	BIOS type *	UEFI AMI
EPS power connector (8-pin)	✓	BIOS memory size	256 Mbit
TPM connector	✓	Clear CMOS button	✓
12V power connector	✓	Logistics data	
RGB LED pin header	✓	Harmonized System (HS) code	84733020

Rear panel I/O ports		Weight & dimensions	
USB 2.0 ports quantity *	2	Width	305 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Depth	244 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Packaging content	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Cables included	SATA
		Drivers included	✓
		Other features	
		Weight	1.54 kg
		Packaging content	4 x SATA 6Gb/s cables 1 x ASUS 2x2 Dual-Band Wi-Fi moving antennas 1 x M.2 Q-Latch package 1 x M.2 Q-Latch package for M.2 backplate 2 x M.2 Rubber Packages 1 x ROG key chain 1 x cable tie 1 x ROG STRIX stickers 1 x ROG STRIX thank you card 1 x Support DVD 1 x User manual



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