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

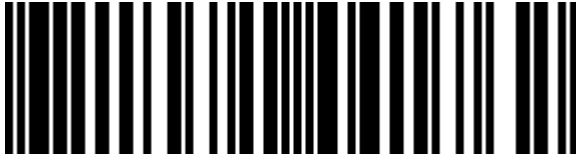**Brand :** ASUS

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 Cancelation, 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

Processor manufacturer *	Intel
Processor socket *	LGA 1700
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA
RAID support	✓
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	Not supported

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1
Number of SATA III connectors *	6
Front panel audio connector	✓
ATX Power connector (24-pin)	✓
Power fan connector	✓
CPU fan connector	✓
Number of chassis fan connectors	5
EPS power connector (8-pin)	✓
TPM connector	✓
12V power connector	✓
RGB LED pin header	✓

Rear panel I/O ports

USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
HDMI version	2.1
Headphone outputs	1
Microphone in	✓
S/PDIF out port	✓

Network

Ethernet LAN	✓
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi *	✓
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
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)
Bluetooth	✓
Bluetooth version	5.2

Features

Motherboard chipset *	Intel Z690
Audio chip	Realtek ALC4080
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Windows operating systems supported	Windows 10, Windows 11

Expansion slots

PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 (Gen 3.x) slots	1
Number of M.2 (M) slots	4

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
Clear CMOS button	✓

Logistics data

Harmonized System (HS) code	84733020

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2

Weight & dimensions

Width	305 mm
Depth	244 mm

Packaging content

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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