

ASUS TUF GAMING Z690-PLUS WIFI - motherboard - ATX - LGA1700 Socket - Z690



26-05-2024

SKU	90MB1AW0-M0EAY0
Product Description:	ASUS TUF GAMING Z690-PLUS WIFI - motherboard - ATX - LGA1700 Socket - Z690
Product Type:	Motherboard - ATX
Chipset Type:	Intel Z690
Processor Socket:	1 x LGA1700 Socket
Compatible Processors:	(supports 12th Generation Intel Core / Pentium Gold / Celeron)
Max RAM Size:	128 GB
RAM Supported:	4 DIMM slots - DDR5, non-ECC, unbuffered

General

Product Type:	Motherboard - ATX
Chipset Type:	Intel Z690
Processor Socket:	LGA1700 Socket
Max Processors Qty:	1
Compatible Processors:	(supports 12th Generation Intel Core / Pentium Gold / Celeron)

Supported RAM

Max Size:	128 GB
Technology:	DDR5
Bus Clock:	5000 MHz (O.C.), 5200 MHz (O.C.), 5400 MHz (O.C.), 5600 MHz (O.C.), 5800 MHz (O.C.), 6000 MHz (O.C.), 4800 MHz
Supported RAM Integrity Check:	Non-ECC
Registered or Buffered:	Unbuffered
Features:	Dual channel memory architecture, Intel Extreme Memory Profiles (XMP)

Manufacturer Warranty

Service & Support:	Limited warranty - 3 years
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Miscellaneous

Included Accessories:	1 x M.2 screw, TUF stickers, ASUS Wi-Fi moving aerial, 2 x M.2 rubber package
Cables Included:	2 x Serial ATA cable
Software Included:	Drivers & Utilities, ASUS AI Suite III, WinRAR, ASUS TUF GAMING CPU-Z, Norton AntiVirus (Trial), ASUS AURA Creator, MyAsus
Compliant Standards:	DisplayPort 1.4
Width:	30.5 cm
Depth:	24.4 cm

Features

BIOS Type:	AMI
BIOS Features:	UEFI BIOS, ASUS EZ Flash 3
Sleep / Wake Up:	Wake on LAN (WOL), wake on PME

Audio

Type:	HD Audio (8-channel)
Compliant Standards:	High Definition Audio

LAN

Network Interfaces:	2.5 Gigabit Ethernet, 802.11a/b/g/n/ac/ax, Bluetooth 5.2
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Features

Hardware Features:

Jack retasking, ASUS Q-Design, ESD Guards, ASUS TurboV EVO, Q-DIMM, ASUS EZ DIY, Q-LED, Q-Slot, CrashFree BIOS 3, audio jack detect technology, ASUS EPU (Energy Processing Unit), Intel Turbo Boost Technology 2.0, ASUS DIGI+ VRM, ASUS Enhanced DRAM Overcurrent Protection, Preboot eXecution Environment (PXE), ASUS Stainless Steel Back I/O, TUF LANGuard, ASUS Overvoltage Protection, ASUS Fan Xpert 4, ASUS SafeSlot, Intel Optane Memory Ready, ASUS ProCool, pre-mounted I/O shield, Intel Turbo Boost Max Technology 3.0, ASUS TUF Protection, ASUS Aura Sync, ASUS OptiMem II, Armoury Crate, M.2 Q-Latch, SafeDIMM

Expansion / Connectivity

Expansion Slots:

1 x CPU ! 4 x DIMM 288-pin ! 1 x PCIe 5.0 x16 ! 1 x PCIe 3.0 x16 (x4 mode) ! 1 x PCIe 3.0 x4 ! 2 x PCIe 3.0 x1

Storage Interfaces:

SATA-600 -connectors: 4 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 / RAID 5 ! PCIe 4.0 -connectors: 3 x M.2 - RAID 0 / RAID 1 / RAID 5 ! SATA-600 / PCIe 4.0 -connectors: 1 x M.2 - RAID 0 / RAID 1 / RAID 5

RAID Features:

Intel Rapid Storage Technology

Interfaces:

1 x DisplayPort ! 1 x HDMI ! 1 x USB-C Gen2x2 ! 2 x USB 3.2 Gen 2 ! 4 x USB 3.2 Gen 1 ! 1 x audio line-in - mini-jack ! 1 x audio line-out (center/subwoofer) - mini-jack ! 1 x audio line-out (rear) - mini-jack ! 1 x audio line-out - mini-jack ! 1 x microphone - mini-jack ! 1 x TOSLINK ! 1 x USB-C Gen1 ! 1 x LAN (2.5Gigabit Ethernet)

Internal Interfaces:

4 x USB 2.0 - header ! 1 x USB-C Gen2 - header ! 2 x USB 3.2 Gen 1 - header ! 1 x audio - header ! 1 x Thunderbolt - header ! 1 x serial - header

Power Connectors:

4-pin ATX12V connector, 24-pin main power connector, 8-pin ATX12V connector

