

## ASUS TUF GAMING Z790-PLUS WIFI Intel Z790 LGA 1700 ATX

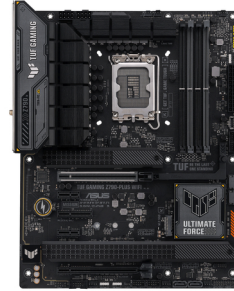
**Brand :** ASUS

**Product code:** 90MB1D80-M1EAY0

**Product name :** TUF GAMING Z790-PLUS WIFI

TUF Gaming Z790-Plus WIFI motherboard socket Intel LGA1700 (ATX, PCIe 5.0, DDR5 memory, 4x M.2, HDMI, DisplayPort, WiFi 6, Aura Sync)

ASUS TUF GAMING Z790-PLUS WIFI. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Pentium® Gold, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9. Supported memory types: DDR5-SDRAM, Maximum internal memory: 128 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 6 (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). Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel



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	USB 3.2 Gen 2x2 Type-C ports quantity	1
Compatible processor series *	Intel® Celeron®, Intel® Pentium® Gold, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9	Ethernet LAN (RJ-45) ports *	1
Supported processor sockets	LGA 1700	HDMI ports quantity *	1
<b>Memory</b>		HDMI version	2.1
Supported memory types *	DDR5-SDRAM	DisplayPorts quantity	1
Number of memory slots *	4	DisplayPort version	1.4
Memory slots type	DIMM	Headphone outputs	1
Memory channels	Dual-channel	Line-in	✓
ECC compatibility	Non-ECC	Microphone in	✓
Supported memory clock speeds	4800,5000,5200,5400,5600,5800,6000,6200,6400,6600,6800,7000,7200 MHz	S/PDIF out port	✓
Supported memory clock speed (max)	7200 MHz	WiFi-AP antenna jack	2
Maximum internal memory *	128 GB	<b>Network</b>	
Unbuffered memory	✓	Ethernet LAN	✓
<b>Storage controllers</b>		Ethernet interface type	2.5 Gigabit Ethernet
Supported storage drive types	HDD & SSD	Wi-Fi *	✓
Supported storage drive interfaces *	M.2, SATA III	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
RAID support	✓	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
RAID levels	0, 1, 5, 10	Bluetooth	✓
<b>Graphics</b>		Bluetooth version	5.3
Parallel processing technology support *	Not supported	<b>Features</b>	
<b>Internal I/O</b>		Motherboard chipset *	Intel Z790
USB 2.0 connectors *	2	Audio chip	Realtek S1220A
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Audio output channels *	7.1 channels
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		

Internal I/O		Features	
Number of SATA III connectors *	4	Component for *	PC
Front panel audio connector	✓	Motherboard form factor *	ATX
ATX Power connector (24-pin)	✓	Motherboard chipset family *	Intel
CPU fan connector	✓	Windows operating systems supported	Windows 10 x64, Windows 11
Number of chassis fan connectors	4	<b>Expansion slots</b>	
EPS power connector (8-pin)	✓	PCI Express x1 (Gen 3.x) slots	2
Number of COM connectors	1	PCI Express x4 (Gen 4.x) slots	1
Thunderbolt headers	1	PCI Express x16 (Gen 4.x) slots	1
12V power connector	✓	PCI Express x16 (Gen 5.x) slots	1
RGB LED pin header	✓	Number of M.2 (M) slots	4
Rear panel I/O ports		BIOS	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	BIOS type *	UEFI AMI
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	BIOS memory size	192 Mbit
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 27-FEB-2025. Prints or copies of Information are only valid on the printed Publication date