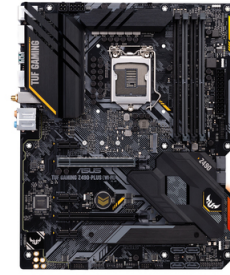


# ASUS TUF Gaming Z490-PLUS (WI-FI) Intel Z490 LGA 1200 (Socket H5) ATX

**Brand :** ASUS

**Product code:** 90MB1330-M0EAY0

**Product name :** TUF Gaming Z490-PLUS (WI-FI)



- Intel LGA 1200 socket: Ready for 10th Gen Intel Core processors
  - Enhanced power solution: 12+2 DrMOS power stages, 6-layer PCB, ProCool sockets, military-grade TUF components, and Digi+ VRM for maximum durability
  - Comprehensive cooling: VRM heatsink, PCH fanless heatsink, M.2 heatsink, hybrid fan headers and Fan Xpert 4 utility
  - Next-gen connectivity: Front header for USB 3.2 Gen 2 Type-C and Thunderbolt 3 support
  - Made for online gaming: Intel WiFi 6, Intel Ethernet Connection I219-V, TUF LANGuard and TurboLAN technology
  - Realtek S1200A codec: Pristine audio quality with unprecedented 108 dB signal-to-noise ratio for stereo line out and 103 dB SNR for line in
  - Aura Sync RGB: Synchronizable LED effects across a vast portfolio of compatible PC gear, including addressable RGB strips
- Intel Z490, Socket 1200, 4x DDR4 DIMM, 1G LAN, PCI Express 3.0 x16, M.2, SATA III, Wi-Fi, Bluetooth, PS/2, S/PDIF, DP, HDMI, USB 3.2, ATX, 305x244 mm

Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Processor socket *	LGA 1200 (Socket H5)	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®	Ethernet LAN (RJ-45) ports *	1
Maximum number of SMP processors	1	PS/2 ports quantity	1
<b>Memory</b>		HDMI ports quantity *	1
Supported memory types *	DDR4-SDRAM	HDMI version	1.4b
Number of memory slots *	4	DisplayPorts quantity	1
Memory slots type	DIMM	DisplayPort version	1.4
Memory channels	Dual-channel	S/PDIF out port	✓
ECC compatibility	Non-ECC	<b>Network</b>	
Supported memory clock speeds MHz	2133,2400,2666,2800,2933,3000,3200,3333,3400,3466,3600,3733,3866,4000,4133,4266,4400,4500,4600,4800	Ethernet LAN	✓
Maximum internal memory *	128 GB	Ethernet interface type	Gigabit Ethernet
Unbuffered memory	✓	LAN controller	Intel AX201, Intel I219V
<b>Storage controllers</b>		Wi-Fi *	✓
Supported storage drive types	HDD & SSD	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Supported storage drive interfaces *	M.2, SATA III	Bluetooth	✓
RAID levels	0, 1, 5, 10	Bluetooth version	5.1
<b>Graphics</b>		<b>Features</b>	
Parallel processing technology support *	2-Way CrossFireX	Motherboard chipset *	Intel Z490
Maximum resolution	4096 x 2304 pixels		
<b>Internal I/O</b>			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		

Internal I/O		Features	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	Audio chip	Realtek ALC S1200A
Number of SATA III connectors *	6	Audio output channels *	7.1 channels
Front panel audio connector	✓	Component for *	PC
ATX Power connector (24-pin)	✓	Motherboard form factor *	ATX
Number of EATX power connectors	1	Motherboard chipset family *	Intel
CPU fan connector	✓	Windows operating systems supported	Windows 10
Number of chassis fan connectors	3	<b>Expansion slots</b>	
Thunderbolt headers	1	PCI Express x1 slots	3
12V power connector	✓	PCI Express x16 (Gen 3.x) slots	2
RGB LED pin header	✓	Number of M.2 (M) slots	2
Rear panel I/O ports		BIOS	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	BIOS type *	UEFI AMI
		BIOS memory size	192 Mbit
		Clear CMOS jumper	✓
		<b>Processor special features</b>	
		Intel Rapid Storage Technology	✓
		Intel® Turbo Boost Technology	3.0
		Intel® Optane™ Memory Ready	✓
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		<b>Packaging content</b>	
		Cables included	SATA



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