ASUS

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

Brand : ASUS

Product code: 90MB1340-M0EAY0

Product name : TUF Gaming Z490-PLUS

- 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 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, PS/2, S/PDIF, DP, HDMI, USB 3.2, ATX, 305x244 mm
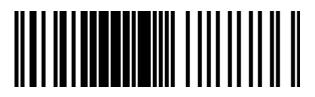
Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1200 (Socket H5)
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®
Maximum number of SMP processors	1

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3333,3400,3466,3600,3733,3866,4000,4133,4266,4400,4500,4600,4800 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✔

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	SATA III
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	2-Way CrossFireX
Maximum resolution	4096 x 2304 pixels

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1

Rear panel I/O ports

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
HDMI ports quantity *	1
HDMI version	1.4b
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Microphone in	✔
S/PDIF out port	✔

Network

Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet
LAN controller	Intel® I219-V
Wake-on-LAN ready	✔
Wi-Fi *	✗

Features

Motherboard chipset *	Intel Z490

Internal I/O

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)	✔
Number of EATX power connectors	1
CPU fan connector	✔
Number of chassis fan connectors	3
Thunderbolt headers	1
12V power connector	✔
RGB LED pin header	✔

Features

Audio chip	Realtek ALC S1200A
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Windows operating systems supported	Windows 10

Expansion slots

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

BIOS

BIOS type *	UEFI AMI
BIOS memory size	192 Mbit
Clear CMOS jumper	✔

Logistics data

Harmonized System (HS) code	84733020

Weight & dimensions

Width	305 mm
Depth	244 mm

Packaging content

Cables included	SATA

4718017678872

0192876678886

192876678886

0192876678879

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