ASUS

ASUS PRIME H510M-A WIFI Intel H510 LGA 1200 micro ATX

Brand : ASUS

Product name : PRIME H510M-A WIFI

Product code: 90MB17D0-M0EAY0

- Intel® LGA 1200 socket: Ready for 11th and 10th Gen Intel® Processors
- Comprehensive cooling: VRM heatsink, M.2 heatsink, PCH heatsink and Fan Xpert 2+
- Ultrafast connectivity: PCIe 4.0, 32Gbps M.2 slot, Intel® WiFi 5, Intel® 1 Gb Ethernet and USB 3.2 Gen 1
- Aura Sync RGB: Onboard addressable Gen 2 headers for RGB LED strips, easily synced with Aura Sync-capable hardware

Intel® H510, LGA1200, 2 x DDR4, 64GB max, M.2, 4 x SATA, Ethernet, Wi-Fi, Bluetooth, 2 x USB 3.2 Gen 1, 4 x USB 2.0, DisplayPort, D-Sub, HDMI, 3 x Audio jacks, 2 x PS/2, 128 Mb Flash ROM, UEFI AMI BIOS, microATX, 22.6 x 21.1cm

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1200
Compatible processor series *	Intel® Celeron®, 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 *	2
Memory slots type	DIMM
Memory channels	Dual-channel
Non-ECC	✓
Supported memory clock speeds	2133,2400,2666,2800,2933 MHz
Maximum internal memory *	64 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA
Number of storage drives supported	5

Graphics

Maximum resolution	4096 x 2304 pixels
Number of displays supported	3

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	4
S/PDIF out connector	✓
Audio connector	✓
Front panel audio connector	✓
ATX Power connector (24-pin)	✓

Rear panel I/O ports

Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	2
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1
HDMI version	2.0
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Microphone in	✓
WiFi-AP antenna jack	2

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet
LAN controller	Intel® I219-V
Wi-Fi *	✓
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
WLAN controller model	Intel Dual Band Wireless-AC 9462
Bluetooth	✓
Bluetooth version	5.1

Features

Motherboard chipset *	Intel H510
Audio chip	Realtek ALC887 / Realtek ALC897
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	Intel
Power source type	ATX
Number of mounting holes	6
Windows operating systems supported	Windows 10 x64

Internal I/O

Number of EATX power connectors	1
CPU fan connector	✓
Number of chassis fan connectors	2
Peripheral (Molex) power connectors (4-pin)	3
EPS power connector (8-pin)	✓
Number of COM connectors	1
TPM connector	✓
12V power connector	✓
RGB LED pin header	✓

Rear panel I/O ports

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

Expansion slots

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

BIOS

BIOS type *	UEFI AMI
BIOS memory size	128 Mbit
Clear CMOS jumper	✓

Logistics data

Harmonized System (HS) code	84733020

Weight & dimensions

Width	226 mm
Depth	211 mm
Height	51 mm

Packaging content

Cables included	SATA
Drivers included	✓

Other features

Weight	815 g

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