

ASUS PRIME H510M-A Intel H510 LGA 1200 (Socket H5) micro ATX

Brand : ASUS

Product code: 90MB17C0-M0EAY0

Product name : PRIME H510M-A

- 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® 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, 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

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Intel® H510 (LGA 1200) micro ATX motherboard with PCIe 4.0, 32Gbps M.2 slot, Intel® 1 Gb Ethernet, DisplayPort, HDMI, D-Sub, USB 3.2 Gen 1 Type-A, SATA 6 Gbps, and AURA Addressable Gen 2 headers



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	4
Processor socket *	LGA 1200 (Socket H5)	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Compatible processor series *	Intel® Celeron®, 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	2
Memory		VGA (D-Sub) ports quantity *	1
Supported memory types *	DDR4-SDRAM	HDMI ports quantity *	1
Number of memory slots *	2	HDMI version	2.0
Memory slots type	DIMM	DisplayPorts quantity	1
Memory channels	Dual-channel	DisplayPort version	1.4
ECC compatibility	Non-ECC	Headphone outputs	1
Supported memory clock speeds	2133,2400,2666,2800,2933 MHz	Microphone in	✓
Maximum internal memory *	64 GB	Network	
Unbuffered memory	✓	Ethernet LAN	✓
Storage controllers		Ethernet interface type	Gigabit Ethernet
Supported storage drive types	HDD & SSD	LAN controller	Intel® I219-V
Supported storage drive interfaces *	M.2, SATA	Wi-Fi *	✗
Number of storage drives supported	5	Features	
Graphics		Motherboard chipset *	Intel H510
Maximum resolution	4096 x 2304 pixels	Audio chip	Realtek ALC887 / Realtek ALC897
Number of displays supported	3	Audio output channels *	7.1 channels
Internal I/O		Component for *	PC
USB 2.0 connectors *	2	Motherboard form factor *	micro ATX
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Motherboard chipset family *	Intel
Number of SATA III connectors *	4	Power source type	ATX
S/PDIF out connector	✓	Number of mounting holes	6
Audio connector	✓	Windows operating systems supported	Windows 10 x64
Front panel audio connector	✓	Expansion slots	
		PCI Express x1 (Gen 3.x) slots	2
		PCI Express x16 (Gen 4.x) slots	1

Internal I/O		Expansion slots	
ATX Power connector (24-pin)	✓	Number of M.2 (M) slots	1
Number of EATX power connectors	1	BIOS	
CPU fan connector	✓	BIOS type *	UEFI AMI
Number of chassis fan connectors	2	BIOS memory size	128 Mbit
Peripheral (Molex) power connectors (4-pin)	3	Clear CMOS jumper	✓
EPS power connector (8-pin)	✓	Logistics data	
Number of COM connectors	1	Harmonized System (HS) code	84733020
12V power connector	✓	Weight & dimensions	
RGB LED pin header	✓	Width	226 mm
		Depth	211 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓



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