

ASUS PRIME H510M-E - Motherboard

micro ATX - LGA1200 Socket - H510 Chipset - USB 3.2 Gen 1 - Gigabit LAN - onboard graphics (CPU required) - HD Audio (8-channel)

Group	Motherboards
Manufacturer	ASUS
Manufacturer item no.	90MB17E0-M0EAY0
EAN/UPC	4711081127765



Description

ASUS PRIME H510M-E - Motherboard - micro ATX - LGA1200 Socket - H510 Chipset - USB 3.2 Gen 1 - Gigabit LAN - onboard graphics (CPU required) - HD Audio (8-channel)

Main features

Product Description	ASUS PRIME H510M-E - motherboard - micro ATX - LGA1200 Socket - H510
Product Type	Motherboard - micro ATX
Chipset Type	Intel H510
Processor Socket	1 x LGA1200 Socket
Compatible Processors	(supports 11th and 10th Generation Intel Core i5 / i7 / i9, 10th Generation Intel Core i3 / Pentium / Celeron)
Max RAM Size	64 GB
RAM Supported	2 DIMM slots - DDR4, non-ECC, unbuffered
Storage Ports	4 x SATA-600, 1 x M.2
USB / FireWire Ports	2 x USB 3.2 Gen 1 + 2 x USB 2.0 + (2 x USB 3.2 Gen 1 + 4 x USB 2.0 via headers)
Audio	HD Audio (8-channel)
LAN	Gigabit Ethernet

Extended details

	General
Product Type	Motherboard - micro ATX
Chipset Type	Intel H510
Processor Socket	LGA1200 Socket
Max Processors Qty	1
Compatible Processors	(supports 11th and 10th Generation Intel Core i5 / i7 / i9, 10th Generation Intel Core i3 / Pentium / Celeron)
	Supported RAM
Max Size	64 GB

Technology	DDR4
Bus Clock	2400 MHz, 2133 MHz, 2800 MHz, 2666 MHz, 2933 MHz, 3200 MHz (O.C.)
Supported RAM Integrity Check	Non-ECC
Registered or Buffered	Unbuffered
Features	Dual channel memory architecture, Intel Extreme Memory Profiles (XMP)
Audio	
Type	HD Audio (8-channel)
Audio Codec	Realtek ALC887/ALC897
Compliant Standards	High Definition Audio
LAN	
Network Controller	Intel I219V
Network Interfaces	Gigabit Ethernet
Expansion / Connectivity	
Expansion Slots	1 x CPU 2 x DIMM 288-pin 1 x PCIe 4.0 x16 (PCIe 4.0 (11th Gen Intel CPUs), PCIe 3.0 (10th Gen Intel CPUs)) 2 x PCIe 3.0 x1
Storage Interfaces	SATA-600 -connectors: 4 x 7pin Serial ATA SATA-600 / PCIe 3.0 -connectors: 1 x M.2
Interfaces	1 x HDMI 1 x VGA 1 x DisplayPort 2 x USB 3.2 Gen 1 2 x USB 2.0 1 x PS/2 keyboard 1 x audio line-in - mini-jack 1 x audio line-out - mini-jack 1 x microphone - mini-jack 1 x PS/2 mouse 1 x LAN (Gigabit Ethernet)
Internal Interfaces	4 x USB 2.0 - header 2 x USB 3.2 Gen 1 - header 1 x SPDIF out - header 1 x audio - header 1 x speaker - header
Power Connectors	24-pin main power connector, 8-pin ATX12V connector
Features	
BIOS Type	AMI
BIOS Features	UEFI BIOS, ASUS EZ Flash 3
Sleep / Wake Up	Wake on LAN (WOL), wake on PME
Hardware Features	Jack retasking, ASUS Q-Design, ASUS TurboV EVO, Q-DIMM, ASUS EZ DIY, Q-Slot, CrashFree BIOS 3, audio jack detect technology, ASUS EPU (Energy Processing Unit), ASUS Fan Xpert, Intel Turbo Boost Technology 2.0, ASUS DIGI+ VRM, Preboot eXecution Environment (PXE), ASUS Stainless Steel Back I/O, LANGuard, ASUS Overvoltage Protection, ASUS 5X Protection III, ASUS SafeSlot Core, Intel Turbo Boost Max Technology 3.0, Armoury Crate
Miscellaneous	
Included Accessories	I/O back plate, 1 x M.2 screw
Cables Included	2 x Serial ATA cable
Software Included	Drivers & Utilities, ASUS AI Charger, ASUS CPU-Z, ASUS AI Suite III, ASUS EZ Update, DAEMON Tools, WinRAR, Norton AntiVirus (Trial)
Compliant Standards	DisplayPort 1.4
Width	22.6 cm
Depth	21.1 cm

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