

ASRock H510M-HDV/M.2 10th and 11th Gen Micro ATX Motherboard

Sale Price: 9500.0



PRODUCT ID: 00544

Basic Information

Supported CPU	<ul style="list-style-type: none"> - Supports 10th Gen Intel Core Processors and 11th Gen Intel Core Processors (LGA1200) - Digi Power design - 5 Power Phase design - Supports Intel Turbo Boost Max 3.0 Technology
Chipset	Intel H510
BIOS	<ul style="list-style-type: none"> - 128Mb AMI UEFI Legal BIOS with multilingual GUI support - ACPI 6.0 Compliant wake up events - SMBIOS 2.7 Support - CPU Core/Cache, CPU GT, VCCSA, DRAM, VCCIO, VCCST, VCCIN AUX Voltage Multi-adjustment
Form Factor	<ul style="list-style-type: none"> - Micro ATX Form Factor: 8.9-in x 7.4-in, 22.6 cm x 18.8 cm - Solid Capacitor design
Audio	<ul style="list-style-type: none"> - 7.1 CH HD Audio (Realtek ALC897 Audio Codec) - Supports Surge Protection

Expansion Slots

PCI	<ul style="list-style-type: none"> 11th Gen Intel Core Processors - 1 x PCI Express 4.0 x16 Slot 10th Gen Intel Core Processors - 1 x PCI Express 3.0 x16 Slot - 1 x PCI Express 3.0 x1 Slots
M.2 Socket	1 x Ultra M.2 Socket (M2_1), supports M Key type 2260/2280 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen3 x4 (32 Gb/s)

Memory

Type	Dual Channel DDR4 Memory Technology
Slots	2 x DDR4 DIMM Slots

Basic Information

Supported Memory	- Supports DDR4 3200(OC) / 2933 / 2800 / 2666 / 2400 / 2133 non-ECC, un-buffered memory - Supports ECC UDIMM memory modules (operate in non-ECC mode) - Supports Intel Extreme Memory Profile (XMP) 2.0
Maximum Memory	64GB

Graphics

Graphics	- 11th Gen Intel Core Processors support Intel Xe Graphics Architecture (Gen 12). 10th Gen Intel Core Processors support Gen 9 Graphics - Three graphics output options: D-Sub, DVI-D and HDMI** - Supports Triple Monitor - Supports HDMI 2.0 with max. resolution up to 4K x 2K (4096x2160) @ 60Hz - Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI 2.0 Port (Compliant HDMI monitor is required) - Supports HDCP 2.3 with DVI-D and HDMI 2.0 Ports
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Connector & Ports

HDMI	Supports HDMI 2.0 with max. resolution up to 4K x 2K (4096x2160) @ 60Hz
D-Sub (s)	Supports HDMI 2.0 with max. resolution up to 4K x 2K (4096x2160) @ 60Hz
DVI-D (s)	Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz
USB (s)	Connector: - 1 x USB 2.0 Header (Supports 2 USB 2.0 ports) (Supports ESD Protection) - 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports) (Supports ESD Protection) Rear Panel I/O: - 4 x USB 2.0 Ports (Supports ESD Protection) - 2 x USB 3.2 Gen1 Ports (Supports ESD Protection)
LAN Port (s)	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Intel I219V - Supports Wake-On-LAN - Supports Lightning/ESD Protection - Supports Energy Efficient Ethernet 802.3az - Supports PXE
Supported Storage	- 4 x SATA3 6.0 Gb/s Connectors, support Intel Rapid Storage Technology 18, NCQ, AHCI and Hot Plug - 1 x Ultra M.2 Socket (M2_1), supports M Key type 2260/2280 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen3 x4 (32 Gb/s)
Audio	Connector: - 1 x Front Panel Audio Connector Rear Panel I/O: - HD Audio Jacks: Line in / Front Speaker / Microphone

Basic Information

Internal I/O Ports	- 1 x COM Port Header - 1 x Chassis Intrusion and Speaker Header - 1 x CPU Fan Connector (4-pin) * The CPU Fan Connector supports the CPU fan of maximum 1A (12W) fan power. - 1 x Chassis Fan Connector (4-pin) * The Chassis Fan supports the Chassis fan of maximum 1A (12W) fan power. - 1 x Chassis/Water Pump Fan Connectors (4-pin) (Smart Fan Speed Control) * The Chassis/Water Pump Fan supports the water cooler fan of maximum 2A (24W) fan power. * CHA_FAN1/WP can auto detect if 3-pin or 4-pin fan is in use. - 1 x 24 pin ATX Power Connector - 1 x 8 pin 12V Power Connector - 1 x Front Panel Audio Connector - 1 x USB 2.0 Header (Supports 2 USB 2.0 ports) (Supports ESD Protection) - 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports) (Supports ESD Protection)
TPM (Trusted Platform Module)	- 1 x SPI TPM Header

Others

Special Features	ASRock Super Alloy - Premium 50A Power Choke - Sapphire Black PCB - High-Density Glass Fabric PCB ASRock Ultra M.2 (PCIe Gen3 x4 & SATA3) ASRock Full Spike Protection (for all USB, Audio, LAN Ports) ASRock Live Update & APP Shop
Bundled Software	- ASRock Motherboard Utility (A-Tuning) - ASRock XFast LAN

Warranty Information

Manufacturing Warranty	03 years warranty
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