

## ASRock H470M-HDV/M.2 10th Gen Micro ATX Motherboard

Sale Price: 9000.0



PRODUCT ID: 00543

### Basic Information

|               |                                                                                                                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported CPU | Supports 10th Gen Intel Core Processors (Socket 1200)<br>Digi Power design<br>7 Power Phase design<br>Supports Intel Turbo Boost Max 3.0 Technology                                                    |
| Chipset       | Intel H470                                                                                                                                                                                             |
| BIOS          | 128Mb AMI UEFI Legal BIOS with multilingual GUI support<br>ACPI 6.0 Compliant wake up events<br>SMBIOS 2.7 Support<br>CPU Core/Cache, GT, DRAM, VPPM, PCH 1.05V, VCCST, VCCSA Voltage Multi-adjustment |
| Form Factor   | Micro ATX Form Factor: 8.9-in x 7.4-in, 22.6 cm x 18.8 cm<br>Solid Capacitor design                                                                                                                    |
| Audio         | 7.1 CH HD Audio (Realtek ALC897 Audio Codec)<br>Supports Surge Protection                                                                                                                              |

### Expansion Slots

|     |                                                                                                                                      |
|-----|--------------------------------------------------------------------------------------------------------------------------------------|
| PCI | 1 x PCI Express 3.0 x16 Slot*<br>2 x PCI Express 3.0 x1 Slots<br>1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module |
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### Memory

|                  |                                                                                                                                                                                                                                                                       |
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| Type             | DDR4                                                                                                                                                                                                                                                                  |
| Slots            | 2 x DIMM Slots                                                                                                                                                                                                                                                        |
| Supported Memory | Dual Channel DDR4 Memory Technology<br>Supports DDR4 2933 / 2800 / 2666 / 2400 / 2133 non-ECC, un-buffered memory<br>Supports ECC UDIMM memory modules (operate in non-ECC mode)<br>Supports Intel Extreme Memory Profile (XMP) 2.0<br>15μ Gold Contact in DIMM Slots |

## Basic Information

Maximum Memory 64GB

## Graphics

### Graphics

- Hardware Accelerated Codecs: AVC/H.264, HEVC/H.265 8bit, HEVC/H.265 10bit, VP8, VP9 8bit, VP9 10bit, MPEG 2, MJPEG, VC-1
- Graphics, Media & Compute: Microsoft DirectX 12, OpenGL 4.5, Intel Built In Visuals, Intel Quick Sync Video, Hybrid / Switchable Graphics, OpenCL 2.1
- Display & Content Security: Rec. 2020 (Wide Color Gamut), Microsoft PlayReady 3.0, Intel SGX Content Protection, UHD Blu-ray Disc
- Three graphics output options: D-Sub, DVI-D and HDMI
- Supports Triple Monitor
- Supports HDMI 1.4 with max. resolution up to 4K x 2K (4096x2160) @ 30Hz
- 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 1.4 Port (Compliant HDMI monitor is required)
- Supports HDCP 2.3 with DVI-D and HDMI 1.4 Ports
- Supports 4K Ultra HD (UHD) playback with HDMI 1.4 Port

## Connector & Ports

HDMI 1 x HDMI Port

D-Sub (s) 1 x D-Sub port

DVI-D (s) 1 x DVI-D port

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 RAID (RAID 0, RAID 1, RAID 5, RAID 10, Intel Rapid Storage Technology 17), 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 HD Audio Jacks: Line in / Front Speaker / Microphone

## Basic Information

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| Internal I/O Ports             | 1 x Print Port Header<br>1 x COM Port Header<br>1 x Chassis Intrusion and Speaker Header<br>1 x CPU Fan Connector (4-pin)<br>1 x CPU/Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)<br>2 x Chassis/Water Pump Fan Connectors (4-pin) (Smart Fan Speed Control)<br>1 x 24 pin ATX Power Connector<br>1 x 8 pin 12V Power Connector<br>1 x Front Panel Audio Connector<br>2 x USB 2.0 Headers (Support 3 USB 2.0 ports) (Supports ESD Protection)<br>- 2 x USB 3.2 Gen1 Headers (Support 4 USB 3.2 Gen1 ports) (Supports ESD Protection) |
| TPM (Trusted Platform Module ) | 1 x SPI TPM Header                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Others

|                  |                                                                                                                                                                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special Features | ASRock Super Alloy<br>- Premium 50A Power Choke<br>- Sapphire Black PCB<br>- High Density Glass Fabric PCB<br>ASRock Ultra M.2 (PCIe Gen3 x4 & SATA3)<br>ASRock Full Spike Protection (for all USB, Audio, LAN Ports)<br>ASRock Live Update & APP Shop |
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## Warranty Information

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| Manufacturing Warranty | 3 years |
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