



## ASRock A520M-HVS AMD AM4 Micro ATX Motherboard

Sale Price: 9000.0

PRODUCT ID:

## Specification

Basic Information	
Supported CPU	Supports AMD AM4 Socket Ryzen 3000, 4000 G-Series and 5000 and 5000 G-Series Desktop Processors 6 Power Phase design
Chipset	AMD A520
BIOS	- 128Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 5.1 compliance wake up events - Supports jumperfree - SMBIOS 2.3 support - CPU, CPU VDDCR_SOC, DRAM, VDDP Voltage Multi-adjustment
Form Factor	Micro ATX Form Factor: 9.0-in x 7.9-in, 23.0 cm x 20.1 cm Solid Capacitor design
Audio	7.1 CH HD Audio (Realtek ALC887/897 Audio Codec) Supports Surge Protection
Expansion Slots	
PCI	1 x PCI Express 3.0 x16 Slot (PCIe2: x16 mode)* 1 x PCI Express 3.0 x1 Slot
Memory	
Type	DDR4
Slots	2 x DIMM

Supported Memory	<p>Dual Channel DDR4 Memory Technology</p> <p>AMD Ryzen series CPUs (Vermeer) support DDR4 4600+(OC) / 4533(OC) / 4466(OC) / 4400(OC) / 4333(OC) / 4266(OC) / 4200(OC) / 4133(OC) / 4000(OC) / 3866(OC) / 3800(OC) / 3733(OC) / 3600(OC) / 3466(OC) / 3200 / 2933 / 2667 / 2400 / 2133 ECC &amp; non-ECC, un-buffered memory*</p> <p>- AMD Ryzen series CPUs (Matisse) support DDR4 4600+(OC) / 4533(OC) / 4466(OC) / 4400(OC) / 4333(OC) / 4333(OC) / 4266(OC) / 4200(OC) / 4133(OC) / 4000(OC) / 3866(OC) / 3800(OC) / 3733(OC) / 3600(OC) / 3466(OC) / 3200 / 2933 / 2667 / 2400 / 2133 ECC &amp; non-ECC, un-buffered memory*</p> <p>- AMD Ryzen series APUs (Cezanne) support DDR4 4733+(OC) / 4666(OC) / 4600(OC) / 4533(OC) / 4466(OC) / 4400(OC) / 4333(OC) / 4266(OC) / 4200(OC) / 4133(OC) / 4000(OC) / 3866(OC) / 3800(OC) / 3733(OC) / 3600(OC) / 3466(OC) / 3200 / 2933 / 2667 / 2400 / 2133 ECC &amp; non-ECC, un-buffered memory*</p> <p>- AMD Ryzen series APUs (Renoir) support DDR4 4733+(OC) / 4666(OC) / 4600(OC) / 4533(OC) / 4466(OC) / 4400(OC) / 4333(OC) / 4266(OC) / 4200(OC) / 4133(OC) / 4000(OC) / 3866(OC) / 3800(OC) / 3733(OC) / 3600(OC) / 3466(OC) / 3200 / 2933 / 2667 / 2400 / 2133 ECC &amp; non-ECC, un-buffered memory*</p> <p>Supports Extreme Memory Profile (XMP) memory modules</p> <p>15μ Gold Contact in DIMM Slots</p>
Maximum Memory	64GB
Graphics	<ul style="list-style-type: none"> <li>- Integrated AMD Radeon Vega Series Graphics in Ryzen Series APU*</li> <li>- DirectX 12, Pixel Shader 5.0</li> <li>- Shared memory default 2GB. Max Shared memory supports up to 16GB.**</li> <li>- Dual graphics output: support D-Sub and HDMI ports by independent display controllers</li> <li>- Supports HDMI 2.1 with max. resolution up to 4K x 2K (4096x2160) @ 60Hz</li> <li>- Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz</li> <li>- Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI 2.1 Port (Compliant HDMI monitor is required)</li> <li>- Supports HDR (High Dynamic Range) with HDMI 2.1</li> <li>- Supports HDCP 2.3 with HDMI 2.1 Port</li> <li>- Supports 4K Ultra HD (UHD) playback with HDMI 2.1 Port</li> <li>- Supports Microsoft PlayReady</li> </ul>
Max Shared Memory	16GB
Connector & Ports	
HDMI	1 x HDMI
D-Sub (s)	1 x D-Sub
USB (s)	<p>2 x USB 2.0 Ports (Supports ESD Protection)</p> <p>4 x USB 3.2 Gen1 Ports (Supports ESD Protection)</p> <p>1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)</p>
LAN Port (s)	<p>PCIE x1 Gigabit LAN 10/100/1000 Mb/s</p> <p>Realtek RTL8111H</p> <p>Supports Wake-On-LAN</p> <p>Supports Lightning/ESD Protection</p> <p>Supports Energy Efficient Ethernet 802.3az</p> <p>Supports PXE</p>

Supported Storage	CPU: 1 x Ultra M.2 Socket (M2_1, Key M), supports type 2242/2260/2280 SATA3 6.0 Gb/s & PCIe Gen3x4 (32 Gb/s) modes* Chipset: 4 x SATA3 6.0 Gb/s Connectors
RAID	Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices
Audio	HD Audio Jacks: Line in / Front Speaker / Microphone
Internal I/O Ports	1 x COM Port Header 1 x Chassis Intrusion and Speaker Header 1 x CPU Fan Connector (4-pin)* 2 x Chassis Fan Connectors (4-pin) (Smart Fan Speed Control)** 1 x 24 pin ATX Power Connector 1 x 4 pin 12V Power Connector 1 x Front Panel Audio Connector 2 x USB 2.0 Headers (Support 4 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
Warranty Information	
Manufacturing Warranty	03 Years Warranty