

# 4719072752583

MSI A520M Vector WiFi 3rd Gen Ryzen & 4000 series AMD AM4 mATX motherboard

## Product Overview

MSI A520M Vector WiFi 3rd Gen AMD Ryzen AM4 mATX Motherboard, Support 3rd Gen & Ryzen 4000 processors, AMD A520 Chipset, 2 DIMM slots, 64GB Maximum Memory, 1x PCI-e x16, PCI-e GEN3, 2x PCI-e x1, 1x Realtek RTL8111H Gigabit LAN, USB 3.2 ports, USB 2.0 ports, Serial ports, Audio ports, DisplayPort, HDMI, M-atx form factor, 4x SATA 6Gb/s ports, 7.1-channel high definition audio, Intel Dual Band Wireless-AC 3168, Bluetooth 2.1



## Specifications

### Features:

#### Conquer the Battlefield

The MAG series was born through rigorous quality testing and designed to be a symbol of sturdiness and durability. Focused on providing the best user experience, the MAG series has a simple installation process coupled with a friendly user interface making it the best choice for entry level gamers.

#### PREMIUM HARDWARE DESIGN

With years of experience, MSI is no stranger to building high-performance motherboards. Our R&D and engineering teams have reviewed countless designs, evaluated a wide selection of high quality components, and developed products for reliability even under extreme conditions.

#### THERMAL SOLUTION FOR MORE CORES AND HIGHER PERFORMANCE

With more cores processors, thermal and power design is more important to make sure the temperature keeps lower. MSI extended PWM heatsink and enhanced circuit design ensures even high-end CPU to run in full speed with MSI motherboards.

#### ENHANCED PERFORMANCE

High performance MSI motherboards are loaded with advanced features and the latest technology to overwhelm any challenge at hand no matter whether youre a gamer, prosumer, or PC enthusiast.

#### STORAGE

MSI MAG series motherboards support all the latest storage standards, which allows users to connect any ultra-fast storage device. Higher efficiency makes your work easier.

#### CONNECTIVITY

MSI motherboards are built with a variety of connectors to satisfy gamers. Enhanced audio, advanced LAN networking

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### Product Specification Sheet

capabilities, USB and Mystic Light turn any gaming experience into an immerse one.

## NEXT-GEN INTEL WI-FI AC & BLUETOOTH

This next-generation Intel Wi-Fi / Bluetooth solution delivers AC speeds up to 433Mbps without any cable limitation.

### Specifications:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                              |
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| <b>Specifications</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                              |
| <b>Product Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4719072752583                                                                                                                |
| <b>CPU</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Support 3rd Gen AMD Ryzen Desktop Processors and AMD Ryzen 4000 G-Series Desktop Processors                                  |
| <b>Chipset</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AMD A520 Chipset                                                                                                             |
| <b>Memory</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2x DDR4 memory slots, support up to 64GB                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supports DDR4 1866/ 2133/ 2400/ 2667/ 2800/ 2933/ 3000/ 3066/ 3200 MHz by JEDEC                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supports DDR4 2667/ 2800 /2933 /3000 /3066 /3200 /3466 /3600/ 3733 /3866 /4000 /4133 /4266 /4400/ 4600+ MHz by A-XMP OC MODE |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1DPC 1R max speed 4600 MHz                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1DPC 2R max speed 3866 MHz                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Dual channel memory architecture                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supports non-ECC UDIMM memory                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supports ECC UDIMM memory (non-ECC mode)                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supports un-buffered memory                                                                                                  |
| <b>Expansion Slot</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1x PCIe x16 slot (PCI_E2)                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2x PCIe 3.0 x1 slots                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1. The supported specification depends on installed processor.                                                               |
| <b>Onboard Graphics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1x HDMI 2.1 port, supports a maximum resolution of 4096x2160 @60Hz                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1x DisplayPort, supports a maximum resolution of 4096x2160 @60Hz                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Maximum shared memory of 16GB                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1. Available for the processor with integrated graphics.                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2. Graphics specifications may vary depending on the CPU installed.                                                          |

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### Product Specification Sheet

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|-------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                      | AMD A520 Chipset                                                                                        |
|                                     | 4x SATA 6Gb/s ports                                                                                     |
|                                     | 1x M.2 slots (Key M)                                                                                    |
|                                     | M2_1 slot (from AMD processor)                                                                          |
|                                     | Supports PCIe 3.0 x4                                                                                    |
|                                     | Supports SATA 6Gb/s                                                                                     |
|                                     | Supports 2242/ 2260/ 2280 storage devices                                                               |
|                                     | 1. The supported specification depends on installed processor.                                          |
| <b>RAID</b>                         | Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices                                            |
| <b>USB</b>                          | AMD A520 Chipset                                                                                        |
|                                     | 2x USB 3.2 Gen 1 5Gbps ports (2 ports are available through the internal USB 3.2 Gen 1 5Gbps connector) |
|                                     | 6x USB 2.0 ports (2 Type-A ports on the back panel, 4 ports through the internal USB 2.0 connectors)    |
|                                     | AMD Processor                                                                                           |
|                                     | 4x USB 3.2 Gen 1 5Gbps Type-A ports on the back panel                                                   |
| <b>Audio</b>                        | Realtek ALC892/ALC897 Codec                                                                             |
|                                     | 7.1-Channel High Definition Audio                                                                       |
| <b>LAN</b>                          | 1x Realtek RTL8111H LAN controller                                                                      |
| <b>Wireless LAN &amp; Bluetooth</b> | Intel Dual Band Wireless-AC 3168                                                                        |
|                                     | Supports Wi-Fi 802.11 a/b/g/n/ac, dual band (2.4GHz, 5GHz) up to 433 Mbps speed.                        |
|                                     | Supports Dual Mode Bluetooth 2.1, 2.1+EDR, 3.0, 4.0, BLE, 4.2                                           |

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### Product Specification Sheet

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|----------------------------|------------------------------------------------------------------------------------|
| <b>Internal connectors</b> | 1x 24-pin ATX main power connector                                                 |
|                            | 1x 8-pin ATX 12V power connector                                                   |
|                            | 4x SATA 6Gb/s connectors                                                           |
|                            | 1x Serial port connector                                                           |
|                            | 1x M.2 slot (M-Key)                                                                |
|                            | 1x USB 3.2 Gen 1 5Gbps connector (supports additional 2 USB 3.2 Gen 1 5Gbps ports) |
|                            | 2x USB 2.0 connectors (supports additional 4 USB 2.0 ports)                        |
|                            | 1x 4-pin CPU fan connector                                                         |
|                            | 1x 4-pin system fan connector                                                      |
|                            | 1x Front panel audio connector                                                     |
|                            | 2x System panel connectors                                                         |
|                            | 1x Chassis Intrusion connector                                                     |
|                            | 1x 4-pin RGB LED connector                                                         |
|                            | 1x 3-pin RAINBOW LED connector                                                     |
|                            | 1x TPM module connector                                                            |
|                            | 1x Clear CMOS jumper                                                               |
| <b>Back panel ports</b>    | 1. Keyboard / Mouse                                                                |
|                            | 2. LAN port                                                                        |
|                            | 3. Wi-Fi Antenna connectors                                                        |
|                            | 4. Audio Connectors                                                                |
|                            | 5. HDMI                                                                            |
|                            | 6. DisplayPort                                                                     |
|                            | 7. USB 2.0 Ports                                                                   |
|                            | 8. USB 3.2 Gen 1 5Gbps Type-A                                                      |
|                            | 9. USB 3.2 Gen 1 5Gbps Type-A                                                      |
| <b>Dimensions</b>          | M-ATX Form Factor                                                                  |
|                            | 9.6 in. x 8.3 in. (24.4 cm x 21 cm)                                                |
| <b>MOUNTING</b>            | 6 mounting holes                                                                   |
| <b>Box content</b>         | 1. MSI does not guarantee the risks or damages caused by changing the cover.       |
|                            | 2. These pictures are for reference only and may vary without notice.              |

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:** <https://www.comx.co.za/4719072752583-MSI-A520M-Vector-WiFi-3rd-Gen-Ryzen-4000-Buy-p-259041.php>

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