

## ASUS PRIME A520M-R AMD A520 Socket AM4 micro ATX

**Brand :** ASUS

**Product code:** 90MB1H60-M0EAY0

**Product name :** PRIME A520M-R



- AMD AM4 Socket: Ready for AMD Ryzen 5000 Series/ 5000 G-Series/ 4000 G-Series/ 3000 Series/ 3000 G-Series Desktop Processors

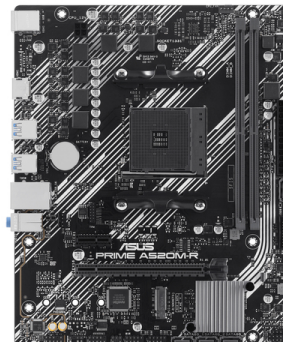
- Ultrafast Connectivity: M.2 support, 1Gb Ethernet, rear and front USB 5Gbps support

- Comprehensive Cooling: PCH heatsink and Fan Xpert

- 5X Protection III: Multiple hardware safeguards for all-around system protection

AMD A520 (Ryzen AM4) micro-ATX motherboard with M.2 support, Realtek 1Gb Ethernet, HDMI, SATA 6 Gbps, rear and front USB 5Gbps support

ASUS PRIME A520M-R. Processor manufacturer: AMD, Processor socket: Socket AM4, Compatible processor series: AMD Ryzen 3000 Series, AMD Ryzen 5000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 64 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Ethernet interface type: Gigabit Ethernet. Component for: PC, Motherboard form factor: micro ATX, Motherboard chipset family: AMD



| Processor                                                                                                                                                                                                                                                   |                                                                                                                                                | Rear panel I/O ports                              |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------------------|
| Processor manufacturer *                                                                                                                                                                                                                                    | AMD                                                                                                                                            | USB 2.0 ports quantity *                          | 2                      |
| Processor socket *                                                                                                                                                                                                                                          | Socket AM4                                                                                                                                     | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4                      |
| Compatible processor series *                                                                                                                                                                                                                               | AMD Ryzen 3000 Series, AMD Ryzen 5000 Series                                                                                                   | Ethernet LAN (RJ-45) ports *                      | 1                      |
| Supported processor sockets                                                                                                                                                                                                                                 | Socket AM4                                                                                                                                     | PS/2 ports quantity                               | 2                      |
| <b>Memory</b><br>Supported memory types *<br>Number of memory slots *<br>Memory slots type<br>Memory channels<br>ECC compatibility<br>Supported memory clock speeds<br>Supported memory clock speed (max)<br>Maximum internal memory *<br>Unbuffered memory | DDR5-SDRAM                                                                                                                                     | HDMI ports quantity *                             | 1                      |
|                                                                                                                                                                                                                                                             | 2                                                                                                                                              | HDMI version                                      | 2.1                    |
|                                                                                                                                                                                                                                                             | DIMM                                                                                                                                           | Headphone outputs                                 | 1                      |
|                                                                                                                                                                                                                                                             | Dual-channel                                                                                                                                   | Line-in                                           | ✓                      |
|                                                                                                                                                                                                                                                             | ECC                                                                                                                                            | Microphone in                                     | ✓                      |
|                                                                                                                                                                                                                                                             | 2133, 2400, 2666, 2800, 2933, 3000, 3200, 3333, 3400, 3466, 3600, 3733, 3866, 4000, 4133, 4200, 4266, 4333, 4400, 4466, 4600, 4666, 4866, 5100 |                                                   |                        |
|                                                                                                                                                                                                                                                             | 5100 MHz                                                                                                                                       |                                                   |                        |
|                                                                                                                                                                                                                                                             | 64 GB                                                                                                                                          |                                                   |                        |
| <b>Storage controllers</b>                                                                                                                                                                                                                                  |                                                                                                                                                | <b>Network</b>                                    |                        |
| Supported storage drive types                                                                                                                                                                                                                               | HDD & SSD                                                                                                                                      | Ethernet LAN                                      | ✓                      |
| Supported storage drive interfaces *                                                                                                                                                                                                                        | M.2, SATA III                                                                                                                                  | Ethernet interface type                           | Gigabit Ethernet       |
| Number of HDDs supported                                                                                                                                                                                                                                    | 4                                                                                                                                              | Wi-Fi *                                           | ✗                      |
| Number of storage drives supported                                                                                                                                                                                                                          | 5                                                                                                                                              | <b>Features</b>                                   |                        |
| RAID support                                                                                                                                                                                                                                                | ✓                                                                                                                                              | Motherboard chipset *                             | AMD A520               |
| RAID levels                                                                                                                                                                                                                                                 | 0, 1, 10                                                                                                                                       | Audio output channels *                           | 7.1 channels           |
| <b>Graphics</b>                                                                                                                                                                                                                                             |                                                                                                                                                | Product colour                                    | Black                  |
| Parallel processing technology support *                                                                                                                                                                                                                    | Not supported                                                                                                                                  | Component for *                                   | PC                     |
| <b>Internal I/O</b>                                                                                                                                                                                                                                         |                                                                                                                                                | Motherboard form factor *                         | micro ATX              |
| USB 2.0 connectors *                                                                                                                                                                                                                                        | 2                                                                                                                                              | Motherboard chipset family *                      | AMD                    |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *                                                                                                                                                                                                                      | 1                                                                                                                                              | Cooling type                                      | Passive                |
| Number of SATA III connectors *                                                                                                                                                                                                                             | 4                                                                                                                                              | Power source type                                 | ATX                    |
| Front panel audio connector                                                                                                                                                                                                                                 | ✓                                                                                                                                              | Windows operating systems supported               | Windows 10, Windows 11 |
| ATX Power connector (24-pin)                                                                                                                                                                                                                                | ✓                                                                                                                                              | <b>Expansion slots</b>                            |                        |
| CPU fan connector                                                                                                                                                                                                                                           | ✓                                                                                                                                              | PCI Express x1 (Gen 3.x) slots                    | 1                      |
| Number of chassis fan connectors                                                                                                                                                                                                                            | 1                                                                                                                                              | PCI Express x16 (Gen 3.x) slots                   | 1                      |
|                                                                                                                                                                                                                                                             |                                                                                                                                                | Number of M.2 (M) slots                           | 1                      |

| Internal I/O                                |   | BIOS                |          |
|---------------------------------------------|---|---------------------|----------|
| Peripheral (Molex) power connectors (4-pin) | 1 | BIOS type *         | UEFI AMI |
| Number of COM connectors                    | 1 | BIOS memory size    | 128 Mbit |
| TPM connector                               | ✓ | Packaging data      |          |
| 12V power connector                         | ✓ | Package width       | 270 mm   |
|                                             |   | Package depth       | 263 mm   |
|                                             |   | Package height      | 51.5 mm  |
|                                             |   | Package weight      | 880 g    |
|                                             |   | Weight & dimensions |          |
|                                             |   | Width               | 236 mm   |
|                                             |   | Depth               | 193 mm   |
|                                             |   | Packaging content   |          |
|                                             |   | Cables included     | SATA     |



4711387466414

### Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.