

# ASUS TUF GAMING A520M-PLUS II - motherboard - micro ATX - Socket AM4 - AMD A520



21-05-2024

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| SKU                    | 90MB17G0-M0EAY0                                                                 |
| Product Description:   | ASUS TUF GAMING A520M-PLUS II - motherboard - micro ATX - Socket AM4 - AMD A520 |
| Product Type:          | Motherboard - micro ATX                                                         |
| Chipset Type:          | AMD A520                                                                        |
| Processor Socket:      | 1 x Socket AM4                                                                  |
| Compatible Processors: | Ryzen (supports Ryzen 3000 Series/ 4000 G-Series/ 5000 Series)                  |
| Max RAM Size:          | 128 GB                                                                          |
| RAM Supported:         | 4 DIMM slots - DDR4, non-ECC, ECC, unbuffered                                   |

## General

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| Product Type:          | Motherboard - micro ATX                                        |
| Chipset Type:          | AMD A520                                                       |
| Processor Socket:      | Socket AM4                                                     |
| Max Processors Qty:    | 1                                                              |
| Compatible Processors: | Ryzen (supports Ryzen 3000 Series/ 4000 G-Series/ 5000 Series) |

## Supported RAM

|                                |                                                                                                                                                                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max Size:                      | 128 GB                                                                                                                                                                                                                                                                 |
| Technology:                    | DDR4                                                                                                                                                                                                                                                                   |
| Bus Clock:                     | 2400 MHz, 2133 MHz, 2800 MHz, 3000 MHz, 2666 MHz, 3333 MHz (O.C.), 3466 MHz (O.C.), 3733 MHz (O.C.), 3600 MHz (O.C.), 3866 MHz (O.C.), 4000 MHz (O.C.), 4133 MHz (O.C.), 4400 MHz (O.C.), 4266 MHz (O.C.), 4600 MHz (O.C.), 4800 MHz (O.C.), 3200 MHz, 4466 MHz (O.C.) |
| Supported RAM Integrity Check: | Non-ECC, ECC                                                                                                                                                                                                                                                           |

## Miscellaneous

|                       |                                                                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Included Accessories: | 1 x M.2 screw, I/O back cover, TUF stickers, ASUS Wi-Fi moving aerial                                                                                                       |
| Cables Included:      | 2 x Serial ATA cable                                                                                                                                                        |
| Software Included:    | Drivers & Utilities, ASUS AI Charger, ASUS AI Suite III, ASUS EZ Update, PC Cleaner, ASUS EZ Flash 3, DAEMON Tools, WinRAR, ASUS TUF GAMING CPU-Z, Norton AntiVirus (Trial) |
| Width:                | 24.4 cm                                                                                                                                                                     |
| Depth:                | 24.4 cm                                                                                                                                                                     |

## Features

|                  |                            |
|------------------|----------------------------|
| BIOS Type:       | AMI                        |
| BIOS Features:   | UEFI BIOS, ASUS EZ Flash 3 |
| Sleep / Wake Up: | Wake on LAN (WOL)          |

## Supported RAM

Registered or Buffered: Unbuffered

Features: Dual channel memory architecture

## Audio

Type: HD Audio (8-channel)

Audio Codec: Realtek ALC887/ALC897

Compliant Standards: High Definition Audio

## LAN

Network Interfaces: Gigabit Ethernet

## Features

Hardware Features:

Jack retasking, ASUS Q-Design, ESD Guards, ASUS TurboV EVO, Q-DIMM, ASUS EZ DIY, Q-Slot, CrashFree BIOS 3, audio jack detect technology, ASUS EPU (Energy Processing Unit), ASUS DIGI+ VRM, Preboot eXecution Environment (PXE), ASUS Stainless Steel Back I/O, Turbo LAN, ASUS Fan Xpert 2+, TUF LANGuard, ASUS Overvoltage Protection, ASUS TUF Protection, ASUS Aura Sync, Armoury Crate, ASUS SafeSlot Core+

## Expansion / Connectivity

Expansion Slots: 1 x CPU | 4 x DIMM 288-pin | 1 x PCIe 3.0 x16 | 2 x PCIe 3.0 x1

Storage Interfaces:

SATA-600 -connectors: 4 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 | SATA-600 / PCIe 3.0 -connectors: 1 x M.2

Interfaces:

1 x VGA | 1 x DisplayPort | 4 x USB 3.2 Gen 1 | 1 x HDMI | 1 x audio line-out - mini-jack | 1 x microphone - mini-jack | 1 x audio line-in - mini-jack | 1 x PS/2 keyboard / mouse | 2 x USB 2.0 | 1 x LAN (Gigabit Ethernet)

Internal Interfaces:

4 x USB 2.0 - header | 2 x USB 3.2 Gen 1 - header | 1 x SPDIF out - header | 1 x serial - header | 1 x audio - header | 1 x speaker - header

Power Connectors:

24-pin main power connector, 8-pin ATX12V connector

