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Product Specification Sheet

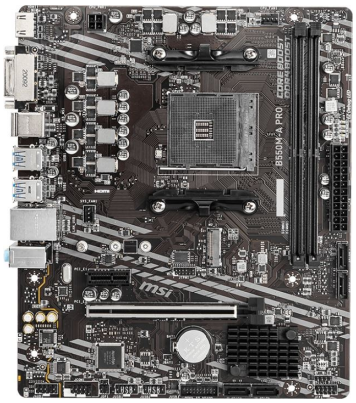
# B550M-APRO

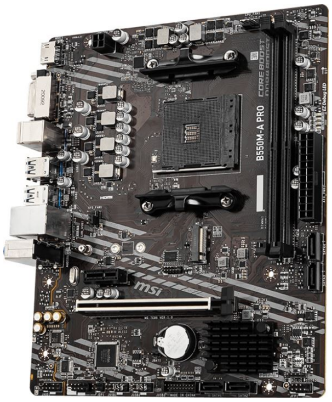
MSI B550M-A Pro Socket AM4 3rd Gen mATX Motherboard

## Product Overview

MSI B550M-A Pro Socket AM4 3rd Gen mATX Motherboard, AMD B550 Chipset, 2 DIMM slots, 1x M.2 slot, 1x Realtek RTL8111h Gigabit LAN, USB 3.2 ports, USB 2.0 ports, Serial Port, DVI-D, HDMI, 1x PCI-e 3.0 x1 slot, 1x PCI-e 4.0/3.0 x16 slot, 4x SATA 6Gb/s ports, 7.1-channel high definition audio









## Specifications

**Overview:**

**B550M-A PRO**

- Supports AMD Ryzen 5000 & 3000 Series desktop processors (not compatible with AMD Ryzen 5 3400G & Ryzen 3 3200G) and AMD Ryzen 4000 G-Series desktop processors
- Supports DDR4 Memory, up to 4600(OC) MHz
- Lightning Fast Experience: PCIe 4.0, Lightning Gen4 x4 M.2
- Core Boost: With premium layout and digital power design to support more cores and provide better performance
- DDR4 Boost: Advanced technology to deliver pure data signals for the best performance and stability
- 2oz Thickened Copper PCB: An enhanced PCB design improves heat dissipation and performance reliability
- Audio Boost: Reward your ears with studio grade sound quality
- Dragon Center: A brand new software which integrates all MSI exclusive tools with user friendly user interface.

**Features:**

PRO series helps users work smarter by delivering an efficient and productive experience. Featuring stable functionality and high-quality assembly, PRO series motherboards provide not only optimized professional workflows but also less troubleshooting and longevity.

**USER FRIENDLY DESIGN**

MSI motherboards feature tons of convenient and smart design for DIY users, countless system tuning and troubleshooting tools are at your disposal to push your system to new heights and satisfy even the most demanding tweaker. Makes it so easy to install your own motherboard without any issue.

**FULLY CONTROLLABLE IN BIOS AND SOFTWARE**

MSI motherboards let you manage speeds and temperatures for all your system and CPU fans. Total Fan Control allows you check your primary system characteristics in a simplified graphical interface. You can also set up to 4 temperature targets for CPU and motherboard, which will adjust the fan speeds automatically.

**CONNECTIVITY**

The most important thing of DIY is expandability. MSI PRO series motherboards feature plenty possibility for prosumers need. Stable LAN, faster storage and USB transfer speed and other expandable connectors are ready to enlarge your flexibility.

**FAST AND FUTURE-READY STORAGE**

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

**EXPERIENCE MORE**

MSI PRO series motherboards are designed to satisfy any professional workflow. Elevate your listening pleasure and enjoy extreme sound quality. Moreover, with years of experience in creating performance enhancing tools that are easy to use, only the highest quality applications are at your disposal. The extensive features let you fine-tune your system to deliver reliable maximum performance.

**PCB WITH 2OZ THICKENED COPPER**

An enhanced PCB design with 2oz thickened copper increases conductivity, improving heat dissipation and performance reliability especially during overclocking.

**Specifications:**

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| Specifications |
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|---|---|
| **Product Code** | 4719072752613 |
| **Quick Spec** | |
| **CPU (Max Support)** | Support 3rd Gen AMD Ryzen Desktop Processors and AMD Ryzen 4000 G-Series Desktop Processors |
| **Socket** | AMD Socket AM4 |
| **Chipset** | AMD B550 Chipset |
| **DDR4 Memory** | 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 |
| **Memory Channel** | Dual |
| **DIMM Slots** | 2 |
| **Max Memory (GB)** | 64 |
| **PCI-E x16** | 1 |
| **PCI-E Gen** | Gen4 / Gen3 |
| **PCI-E x1** | 1 |
| **SATAIII** | 4 |
| **M.2 Slot** | 1 |
| **RAID** | 0/1/10 |
| **TPM (header)** | 1 |
| **LAN** | 1x Realtek RTL8111H Gigabit LAN |
| **USB 3.2 ports (Front)** | 2(Gen 1, Type A) |
| **USB 3.2 ports (Rear)** | 4(Gen 1, Type A) |
| **USB 2.0 ports (Front)** | 4 |
| **USB 2.0 ports (Rear)** | 2 (Type A) |
| **Serial ports(Front)** | 1 |
| **Audio ports (Rear)** | Realtek ALC892/ALC897 Codec |
| **DVI-D** | 1 |
| **HDMI** | 1 |
| **DirectX** | 12 |
| **Form Factor** | MATX |
| **Operating System** | Support for Windows 10 64-bit |
| **Detailed Spec** | |
| **CPU** | Supports AMD Ryzen 5000 & 3000 Series desktop processors (not compatible with AMD Ryzen 5 3400G & Ryzen 3 3200G) and AMD Ryzen 4000 G-Series desktop processors |
| **Chipset** | AMD B550 Chipset |

| | |
|---|---|
| **Memory** | 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 |
| **Expansion Slot** | 1x PCIe 3.0 x1 slot |
| | 1x PCIe 4.0/3.0 x16 slot |
| | 1. The supported specification depends on installed processor. |
| **Onboard Graphics** | 1x HDMI 1.4 port, supports a maximum resolution of 4096x2160 @60Hz |
| | Support for HDMI 1.4 version, HDCP 1.4 & 2.3 |
| | 1x DVI-D port, supports a maximum resolution of 1920x1200@60Hz |
| | Maximum shared memory of 16 GB |
| | 1. Available for the processor with integrated graphics. |
| | 2. Graphics specifications may vary depending on the CPU installed. |
| **Storage** | AMD B550 Chipset |
| | 4x SATA 6Gb/s ports |
| | 1x M.2 slot (Key M) (from AMD Processor) |
| | Supports PCIe 4.0/ 3.0 |
| | Supports SATA 6Gb/s |
| | Supports 2242/ 2260/ 2280 storage devices |
| | 1. The supported specification depends on installed processor. |
| **RAID** | Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices |
| | Supports RAID 0 and RAID 1 for M.2 NVMe storage devices |
| **USB** | AMD B550 Chipset |
| | 2x USB 3.2 Gen 1 5Gbps 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 |
| **Audio** | Realtek ALC892/ALC897 Codec |
| | 7.1-Channel High Definition Audio |
| **LAN** | 1x Realtek RTL8111H Gigabit LAN controller |

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|---|---|
| **Internal connectors** | 1x 24-pin ATX main power connector |
| | 1x 4-pin ATX 12V power connector |
| | 4x SATA 6Gb/s connectors |
| | 1x M.2 slots (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 connectors |
| | 1x Front panel audio connector |
| | 2x System panel connectors |
| | 1x Chassis Intrusion connector |
| | 1xTPM module connector |
| | 1x Clear CMOS jumper |
| **Back panel ports** | 1. LAN port |
| | 2. HDMI |
| | 3. DVI-D |
| | 4. Keyboard / Mouse |
| | 5. USB 3.2 Gen 1 5Gbps Type-A |
| | 6. USB 3.2 Gen 1 5Gbps Type-A |
| | 7. USB 2.0 Ports |
| | 8. Audio Connectors |
| **Dimensions** | Micro-ATX Form Factor |
| | 9.3 in. x 7.9 in. (23.6 cm x 20 cm) |
| **MOUNTING** | 8 mounting holes |
| **Box content** | 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-computers.co.za/B550M-APRO-MSI-B550M-A-Pro-Socket-AM4-3rd-Gen-mATX-Motherboard-p-258433.php**

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