



**Mainboard MSI  
AMD B550 SAM4  
ATX 2xPCI-  
Express 3.0 1x  
1xPCI-Express  
3.0 4x 2xM.2  
1xPCI-Express  
4.0 16x Memory  
DDR4 Memory  
slots 4  
1xDisplayPort  
2xAudio-In  
4xAudio-Out  
4xUSB 2.0  
1xUSB type C  
3xUSB 3.2  
1xPS/2 1xRJ45  
B550-APRO**

Modelis: B550-APRO

Gamintojas: MSI

EAN: 4719072733667

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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# 117.99€

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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.

## **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 with 7W/mK thermal pad ensures even high-end processors to run in full speed with MSI motherboards.

## **M.2 SHIELD FROZR**

World's fastest SSDs can start to lower performance when getting hot. Part of the motherboards heatsink design, M.2 SHIELD FROZR is the next generation M.2 thermal solution to avoid this by offering the best thermal protection to make sure that SSD maintains maximum performance.

## **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.

## **OPTIMIZED FOR WATER COOLING**

Designed to support the most popular All-In-One & customized water cooling solutions on the market. A dedicated water pump PIN header supports up to 3 amp, giving you full control of the water pump speed. A clearly marked 'keep-out-zone' allows for easy and safe installation and a perfect fit.

## **EASY BIOS RECOVERY WITH FLASH BIOS BUTTON**

Run into trouble when updating your BIOS? Simply flash the old BIOS version back and continue working within minutes with Flash BIOS Button. Flash BIOS Button even works without a CPU, memory or graphics card installed!

## **EZ DEBUG LED**

Run into trouble? Onboard LEDs for key components will indicate the source of the problem so you know exactly where to look to get up and running again.

## **XL CLIP**

The enlarged PCI-E clip helps you swap or remove your devices easier. Keep the PCI-E slot stronger and safer.

## **EASY TO ARRANGE YOUR CABLES**

Not clever at cable arrangement? MSI Atypical PCB design not only the identity of stylish but also makes SATA and USB cable routing easier. Arranges cable neatly even you are not familiar with system build.

## **FORTIFY YOUR SYSTEM WITH PCI-E STEEL ARMOR**

MSI PCI Express Steel Armor slots are secured to the motherboard with extra solder points and support the weight of heavy graphics cards. When every advantage in games counts, Steel Armor shields the point of contact from electromagnetic interference.

## **ULTIMATE MOTHERBOARD PROTECTION**

Double ESD protection doubles up the grounding layer around the mounting holes, preventing static discharge surges from damaging the motherboard.

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## **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.

## **LIGHTNING GEN 4 M.2**

Utilizing 3rd Gen Ryzen processors, MSI B550 motherboards feature latest Lightning Gen 4 M.2 which is the fastest onboard storage solution on the market with up to 64 Gb/s transfer speed.

## **MAXIMIZE YOUR USB DEVICE PERFORMANCE**

Read and write your files over USB faster than ever. MSI PRO series motherboards offer a wide variety of options to connect and boost your USB devices, delivering 10Gbps transferring speed by both USB 3.2 Gen 2 Type-A and Type-C.

## **USB FRONT TYPE-C**

MSI motherboards support USB Front Type-C that allows gamers to connect with the latest USB devices. Built up a system with MSI PC case to have the most convenient experience.

## **EXTEND YOUR RGB EXPERIENCE WITH EASE**

Add your color if you want! Mystic Light Extension pin header provides an intuitive way to control additional RGB strips and other RGB peripherals added to a system, without needing a separate RGB controller.

## **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.

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## **PCB WITH 2OZ THICKENED COPPER**

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

## **10 + 2 + 1 DIGITAL POWER WITH DOUBLER DESIGN**

Unleash and sustain maximum performance with an aggressive VRM design built with a total of 10 phases Digital Power with Doubler Design. Combining exclusive Core Boost technology, PRO series motherboard is ready to sustain heavy daily work.

## **LIGHTNING GEN 4 PCI-E**

MSI lightning Gen 4 PCI-E is the latest and the fastest PCI-E data transfer solution with 64GB/s of unidirectional transfer bandwidth that has doubled compared to its previous generation. PCIe 4.0 maintains both backward and forward compatibility with older and newer specifications. Optimized by steel armor design and server grade PCB, you can enjoy next-gen devices without any compromise.

## **A HUGE STEP OF DDR PERFORMANCE**

MSI OC LAB does not merely work hard on extreme overclocking. Compared to B450 motherboard memory A-XMP profile, MSI does have great improvement on performance and efficiency for B550 motherboards. Easy to enable A-XMP profile with auto power settings to get the best memory speed and stability.

## **CORE BOOST**

Core Boost technology combines MSI's premium layout and optimized power design which allows for faster and undistorted current delivery to the CPU at pin-point precision. Not only supporting multi-core CPU, also creating the perfect conditions for your CPU overclocking.

## **DEDICATED HIGH DEFINITION AUDIO PROCESSOR**

Make sure you enjoy the purest sound quality in both stereo and surround sound.

## **HIGH QUALITY AUDIO CAPACITORS**

A high fidelity sound experience with exceptional acoustics and realism for studio level headphones is ensured.

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## **HD AUDIO CONNECTORS**

Keep your sound perfect by transmitting your audio with a pure digital signal.

## **ISOLATED AUDIO DESIGN**

Like a dedicated sound card, audio components and circuits have been laid on a reserved motherboard section and electrically isolated.

## **SEPARATED AUDIO LAYERS FOR CLEAN LEFT & RIGHT CHANNELS**

Using separated layers in the PCB ensures equally pristine sound quality for both left and right audio channels.

## **DRAGON CENTER**

MSI brand new Dragon Center unifies a suite of MSI software utilities into a single centralized application. Take control of advanced motherboard features and unleash endless possibilities.

## **CLICK BIOS 5**

Get more from a loaded BIOS designed for ease of use. Fine-tune the motherboard for gaming performance, efficiency, or overclocking world records!

## **CREATOR GENIE**

Quickly overclock your CPU with a single button for more performance.

## **A-XMP**

Choose from a preset A-XMP profile and automatically overclock compatible DDR memory.

## **M-FLASH**

Conveniently flash or upgrade the BIOS in a few minutes from the CMOS Setup Utility.

## **HARDWARE MONITOR**

Get immediate access to your critical hardware information in real-time including temperature, memory capacity, clock speed, and voltage.

## **MEMORY TRY IT**

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Get extreme speed out of your system memory and get more performance.

## SEARCH & FAVORITES

A permanent search & favorite option in the top right corner moves you through the BIOS menus quickly.

- Support for 3rd Gen AMD Ryzen processors and future AMD Ryzen processors with BIOS update
- Supports DDR4 Memory, up to 4400(OC) MHz
- Lightning Fast Experience: PCIe 4.0, Lightning Gen4 x4 M.2 with M.2 Shield Frozr, AMD Turbo USB 3.2 Gen 2
- Premium Thermal Solution: Extended Heatsink Design with additional choke thermal pad and 7W/mK pad, and M.2 Shield Frozr are built for high performance system and non-stop works
- Powerful Design: Core Boost, Digital PWM IC, 2oz Thickened Copper PCB, Creator Genie, DDR4 Boost
- Audio Boost: Reward your ears with studio grade sound quality
- Multi-GPU: With Steel armor PCI-E slots. Supports 2-Way AMD Crossfire
- Dragon Center: A brand new software which integrates all MSI exclusive tools with user friendly user interface

Summary: MSI B550-A PRO. Processor manufacturer: AMD, Processor socket: Socket AM4, Compatible processor series: AMD Ryzen 3000 Series. Supported memory types: DDR4-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Parallel processing technology support: 2-Way CrossFireX, Maximum graphics card memory: 16000 MB, Maximum resolution: 4096 x 2160 pixels. Ethernet interface type: Gigabit Ethernet, LAN controller: Realtek 8111H | Vendor Homepage: <https://www.msi.com/Motherboard/B550-A-PRO> | Audio chip: Realtek ALC892 | Audio output channels: 7.1 | Component for: PC | Motherboard chipset: AMD B550 | Motherboard chipset family: AMD | Motherboard form factor: ATX | Number of mounting holes: 9 | Product colour: Black | Compatible processor series: AMD Ryzen 3000 Series | Maximum number of SMP processors: 1 | Processor manufacturer: AMD | Processor socket: Socket AM4 | ECC compatibility: ECC & Non-ECC | Maximum internal memory: 128 | Memory channels: Dual-channel | Memory slots type: DIMM | Number of memory slots: 4 | Supported memory clock speeds: 1866/2133/2400/2667/2800/2933/3000/3066/3200/3466/3600/3733/3866/4000/4133/4266/4400/4800 | Supported memory types: DDR4-SDRAM | RAID levels: 0/1/10 | Supported storage drive interfaces:

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SATA III | Supported storage drive types: HDD & SSD | Maximum graphics card memory: 16000 | Maximum resolution: 4096 x 2160 | On-board graphics card: No | Parallel processing technology support: 2-Way CrossFireX | 12V power connector: Yes | ATX Power connector (24-pin): Yes | Chassis intrusion connector: Yes | CPU fan connector: Yes | Front panel audio connector: Yes | Number of chassis fan connectors: 6 | Number of SATA III connectors: 6 | RGB LED pin header: Yes | TPM connector: Yes | USB 2.0 connectors: 2 | USB 3.2 Gen 1 (3.1 Gen 1) connectors: 1 | DisplayPorts quantity: 1 | Ethernet LAN (RJ-45) ports: 1 | HDMI ports quantity: 1 | PS/2 ports quantity: 1 | USB 2.0 ports quantity: 4 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 2 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity: 1 | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity: 1 | Ethernet interface type: Gigabit Ethernet | Ethernet LAN: Yes | LAN controller: Realtek 8111H | Wi-Fi: No | Number of M.2 (M) slots: 2 | PCI Express x1 (Gen 3.x) slots: 2 | PCI Express x16 (Gen 3.x) slots: 1 | PCI Express x16 (Gen 4.x) slots: 1 | Clear CMOS jumper: Yes | Harmonized System (HS) code: 84733020 | Depth: 244 | Height: 65 | Width: 305 | Cables included: SATA | Drivers included: Yes | Weight: 1000 | Units per Pallet: 0 | Units per Shipping Box: 10 | Unit Calculated Volume: 0.009361 | Unit Calculated Weight: 1.76

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