



**Mainboard
BIOSTAR AMD
A520 SAM4
Micro-ATX
Memory DDR4
Memory slots 2
2xPCI-Express
3.0 1x 1xPCI-
Express 3.0 16x
1xM.2 1x15pin
D-sub 1xHDMI
4xUSB 2.0
2xUSB 3.2
1xPS/2 1xRJ45
3xAudio port
A520MHP**

Modelis: A520MHP

Gamintojas: BIOSTAR

EAN: 4712960688124

Prekės kodas: 76108

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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54.99€

AMD A520 chipset

AMD A520 chipset provides a simple, stable platform and more than enough connectivity and bandwidth options to satisfy both demanding home users and media aficionados.

HD Audio

Provides high quality sound with minimal loss of audio fidelity.

HDMI 4K2K

The new 4K2K resolution enables high-definition image display with four times the resolution of full HD, 4K2K display is faithfully express bright, highly detailed content that fills the entire screen with lifelike images. Connectivity with PCs via a single HDMI cable for displaying 4K2K data.

DX12

DirectX 12 introduces the next version of Direct3D, the graphics API at the heart of DirectX. Direct3D is one of the most critical pieces of a game or game engine, and we've redesigned it to be faster and more efficient than ever before. Direct3D 12 enables richer scenes, more objects, and full utilization of modern GPU hardware.

Integrated HDMI with HDCP

Onboard HDMI connector allows full video & audio support. It has industry-leading high definition video quality.

PCIe M.2

PCIe M.2 32Gb/s delivers the highest bandwidth and lower latency. It is 3 times faster compared with PCIe M.2 10Gb/s.

PCIe 3.0

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PCIe 3.0 is the ubiquitous and general-purpose PCI Express I/O standard. At 8GT/s bit rate, the interconnect performance bandwidth is doubled over PCIe 2.0, while preserving compatibility with software and mechanical interfaces.

SATAIII 6Gbps

SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer HD media. With this super speed data transfer, SATAIII allows an incredible data boost which is 2x faster than the SATA II.

Dual DDR4

The primary advantages of DDR4 over DDR3, include higher module density, lower voltage requirements, coupled with higher data transfer rate.

USB 3.2 Gen1 Type-A

USB 3.2 Gen1 delivers a compelling performance boosts and can be used to connect multiple devices without worrying about compatibility. It is capable of data transfer speeds up to 5Gbps and backwards compatible with all existing USB products.

Super Durable Solid Caps

The best quality solid state capacitors with ultra low ESR design, the Super Durable Solid Caps doubles the lifespan.

Moistureproof PCB

The PCB will be oxidizing easily by damp or absorbed moisture, and ionic migration or CAF (Conductive Anodic Filament) will be generated. Moistureproof PCB meets high density and high reliability requirements for moisture proof.

OC / OV / OH Protection

OC / OV / OH Protection design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect your system.

BullGuard Internet Security (90 days FREE trial)

BullGuard Internet Security comes with the broadest line-up of internet security features on the market, including: a cutting-edge dual Antivirus engine, Online Backup for your precious files, PC

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Tune Up to speed up your system, a Game Mode for a seamless gaming experience, Parental Control, Firewall, Safe Browsing and many more. Make the most of your digital life with Bullguard!

UEFI BIOS

Unified Extensible Firmware Interface (UEFI) is a brand new framework that provides a revolutionary interface. It is a modern clear and easy-to-use graphical user interface. The UEFI comes with a colorful easy-understand icons lead users into the setup layer directly.

BIO-Flasher

BIO-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated flash utility.

A.I FAN

With A.I FAN users can ensure that their gaming PC can maintain its performance while staying cool. According to different cooling needs and usage scenarios, users can control speed modes. Allows users to have more customizability of fan modes and automatically detects different temperatures to make fan operate at defined speed for optimal cooling performance.

A.I TP Control

A.I TP Control is designed for overclockers. It provides a user-friendly BIOS environment that overclockers can adjust the temperature setting to keep your PC safe and enjoy extreme overclocking performance.

Smart Update

Biostar Smart Update is a utility that can help users run online update. It can download the drivers for your motherboard from Biostar official website and install them automatically.

HDMI

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

- Support AMD Ryzen™ 5000/5000G/4000G/3000/3000G series Processors
- AMD A520 single chip architecture
- Supports 2-DIMM DDR4 up to 64 GB Memory
- Supports USB 3.2 Gen1
- Supports PCIe M.2
- Supports HDMI 4K resolution

Summary: Biostar A520MHP. Processor manufacturer: AMD, Processor socket: Socket AM4, Compatible processor series: AMD Ryzen 3000 Series, AMD Ryzen 4000 Series, AMD Ryzen 5000 Series. Supported memory types: DDR4-SDRAM, Maximum internal memory: 64 GB, Memory slots type: SO-DIMM. Supported storage drive interfaces: M.2, PCI Express 3.0, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Ethernet interface type: Gigabit Ethernet, LAN controller: Realtek RTL8111H. Component for: PC, Motherboard form factor: micro ATX, Motherboard chipset family: AMD | Vendor Homepage:

https://www.biostar.com.tw/app/en/mb/introduction.php?S_ID=1162&data-type=OVERVIEW | Audio chip: Realtek ALC897 | Audio output channels: 7.1 | Component for: PC | Motherboard chipset: AMD A520 | Motherboard chipset family: AMD | Motherboard form factor: micro ATX | Power source type: ATX | Supported processor sockets (cooler): Socket AM4 | Windows operating systems supported: Windows 10/Windows 11 | Compatible processor series: AMD Ryzen 3000 Series/AMD Ryzen 4000 Series/AMD Ryzen 5000 Series | Processor manufacturer: AMD | Processor socket: Socket AM4 | Supported processor sockets: Socket AM4 | ECC compatibility: Non-ECC | Maximum internal memory: 64 | Memory channels: Dual-channel | Memory slots type: SO-DIMM | Number of memory slots: 2 | Supported memory clock speed (max): 4400 | Supported memory clock speeds: 2133/2400/2667/2933/3200/3600/3800/4000/4133/4266/4400 | Supported memory module capacities: 16GB/32GB/8GB | Supported memory types: DDR4-SDRAM | Number of HDDs supported: 4 | Number of storage drives supported: 1 | RAID levels: 0/1/10 | RAID support: Yes | Supported storage drive interfaces: M.2,PCI Express 3.0,SATA III | Supported storage drive types: HDD & SSD | DirectX version: 12.0 | HDCP: Yes | ATX Power connector (24-pin): Yes | Audio connector: Yes | CPU fan connector: Yes | Front panel audio connector: Yes | Front panel connector: Yes | Number of SATA III connectors: 4 | Power fan connector: Yes | USB 2.0 connectors: 2 | USB 3.2 Gen 1 (3.1 Gen 1) connectors: 1 | Ethernet LAN (RJ-45) ports: 1 | HDMI ports quantity: 1 | Headphone outputs: 1 | Line-in: Yes | Microphone in: Yes | 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 | VGA (D-Sub) ports quantity: 1 | Bluetooth: No | Ethernet interface type: Gigabit Ethernet | Ethernet LAN: Yes | LAN controller: Realtek RTL8111H | Wi-Fi: No | PCI

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Express x1 (Gen 3.x) slots: 2 | PCI Express x16 slots: 1 | BIOS type: UEFI | Depth: 190 | Width: 235 |
Bundled software: BullGuard (90 days FREE trial) | Model: A520MHP | Units per Shipping Box: 1 | Unit
Calculated Volume: 0.003645 | Unit Calculated Weight: 0.68

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