

MSI MAG A520M VECTOR WIFI motherboard AMD A520 Socket AM4 micro ATX

Gamintojas: **MSI** · Modelis: **7D14-008R** · EAN: **4719072752583** · Prekės kodas: **693506**



167,90 €

Kaina su PVM

Be PVM: **138,76 €**

Sandėlyje



Prekė internetu

Nuskenaukite kodą arba apsilankykite www.shopro.lt

Pagrindinės savybės

- ✓ Support 3rd Gen AMD Ryzen Desktop Processors and AMD Ryzen 4000 G-Series Desktop Processors
- ✓ Supports DDR4 Memory, up to 4600(OC) MHz
- ✓ Extended Heatsink Design: Leading heatsink design, extended for maximum cooling and performance
- ✓ Turbo M.2: Running at PCI-E Gen3 x4 maximizes performance for NVMe based SSDs
- ✓ M.2 Shield Frozr: Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster
- ✓ Core Boost: With premium layout and digital power design to support more cores and provide better performance
- ✓ 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



Aprašymas

Conquer the Battlefield

The MAG series was born through rigorous quality testing and designed to be a symbol of sturdiness and durability. Focused on providing the best user experience, the MAG series has a simple installation process coupled with a friendly user interface making it the best choice for entry level gamers.

PREMIUM HARDWARE DESIGN

With years of experience, MSI is no stranger to building high-performance motherboards. Our R&D and engineering teams have reviewed countless designs, evaluated a wide selection of high quality components, and developed products for reliability even under extreme conditions.

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 and enhanced circuit design ensures even high-end CPU 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.

4 + 2 +1 DUET RAIL POWER SYSTEM

Unleash and sustain maximum performance with an aggressive VRM design built with digital CPU power phases. Combining exclusive Core Boost technology, MAG series motherboard is ready to sustain heavy gaming loadings.

CORE BOOST

Core Boost technology combines MSI's premium layout and digital power design which allows for faster and undistorted current delivery to the CPU at pin-point precision. This creates the perfect conditions for multi-core CPU while high-loading operation.

LOAD-LINE CALIBRATION

What you set, is what you get. LLC makes sure your CPU voltage remains 100% stable under any load. This greatly improves stability when demanding more CPU performance.

OVERVOLTAGE PROTECTION

Prevents potential short-circuit damage to the CPU and other critical components.

DIGITALL POWER DESIGN

A fully digital power design allows for faster and undistorted current delivery to the CPU at pin-point precision. Creating the perfect conditions for CPU overclocking.

PCB WITH 2OZ THICKENED COPPER

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

ULTIMATE MOTHERBOARD PROTECTION

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

CERTIFIED FOR GAMING

MSI motherboards has been built and tweaked for hardcore gaming. Feedback from the world's best esports players and rigorous testing sessions with demanding PC games has resulted in a motherboard that's both powerful and reliable.

ENHANCED PERFORMANCE

High performance MSI motherboards are loaded with advanced features and the latest technology to overwhelm any challenge at hand no matter whether you're a gamer, prosumer, or PC enthusiast.

FAST AND FUTURE-READY STORAGE

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

EXTREME STABILITY & COMPATIBILITY TESTING

MSI conducts thorough memory testing with the most popular memory brands under extreme conditions to ensure your system runs stable no matter what. Our memory partners include brands like Corsair, Crucial, Kingston, G.Skill and many more to optimize memory modules, configurations and even improve overclocking.

A HUGE STEP OF DDR PERFORMANCE

MSI OC LAB does not merely work hard on extreme overclocking. Compared to A320 motherboard memory A-XMP profile, MSI does have great improvement on performance and efficiency for A520 motherboards. Easy to enable A-XMP profile with auto power settings to get the best memory speed and stability.

EASY OVERCLOCKING WITH A-XMP PROFILE

The A-XMP in MSI BIOS are tested and certified by MSI OC LAB. It is easy to enable with auto power settings to get the best memory speed and stability.

CONNECTIVITY

MSI motherboards are built with a variety of connectors to satisfy gamers. Enhanced audio, advanced LAN networking capabilities, USB and Mystic Light turn any gaming experience into an immerse one.

NEXT-GEN INTEL WI-FI AC & BLUETOOTH

This next-generation Intel Wi-Fi / Bluetooth solution delivers AC speeds up to 433Mbps without any cable limitation.

OPTIMIZE ONLINE GAMING TRAFFIC FOR LOWER LATENCY!

MSI LAN Manager automatically classifies and prioritizes the latency-sensitive applications for online games, giving you the best online gaming experience with low latency.

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.

HIGH QUALITY AUDIO JACKS

Keep your sound perfect by transmit your audio with 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.

USB 3.2 GEN 1

Transfer lots of data, music and movies over USB easier. USB 3.2 ports are ready in both front and rear IO, provides wide variety of options to connect your USB 3.2 devices.

Techninė specifikacija

Specifications

Sandėlio grupė Components & Accessories > Mainboards/Systemboards [+7036][-7603]

Processor

Processor manufacturer	AMD
Processor socket	Socket AM4
Compatible processor series	AMD Ryzen 3000 Series
Maximum number of SMP processors	1

Memory

Supported memory types	DDR4-SDRAM
Number of memory slots	2
Maximum internal memory	64 GB
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Supported memory clock speeds	1866,2133,2400,2667,2800,2933,3000,3066,3200,3466,3600,3733,3866,4000,4133,4266,4400,4600 MHz
Unbuffered memory	Yes

Storage controllers

Supported storage drive interfaces	SATA III
Supported storage drive types	HDD & SSD
Number of storage drives supported	5
RAID support	Yes
RAID levels	0, 1, 5, 10

Graphics

Maximum graphics card memory	2048 MB
Maximum resolution	4096 x 2160 pixels

Internal I/O

USB 2.0 connectors	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors	0
Number of SATA III connectors	4
Number of SATA II connectors	0
Number of Parallel ATA connectors	0
Front panel audio connector	Yes
ATX Power connector (24-pin)	Yes

CPU fan connector	Yes
Number of chassis fan connectors	1
Chassis intrusion connector	Yes
TPM connector	Yes
Serial port headers	1
12V power connector	Yes
RGB LED pin header	Yes
Rear panel I/O ports	
USB 2.0 ports quantity	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	0
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	0
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	0
Ethernet LAN (RJ-45) ports	1
VGA (D-Sub) ports quantity	0
HDMI ports quantity	1
DVI-D ports quantity	0
eSATA ports quantity	0
PS/2 ports quantity	1
Firewire (IEEE 1394) ports	0
HDMI version	2.1
DisplayPorts quantity	1
WiFi-AP antenna jack	2
Network	
Wi-Fi	Yes
Ethernet LAN	Yes
Ethernet interface type	Gigabit Ethernet
LAN controller	Realtek RTL8111H
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Bluetooth	Yes
Bluetooth version	4.2
Features	
Component for	PC
Motherboard form factor	micro ATX

Motherboard chipset family	AMD
Motherboard chipset	AMD A520
Audio output channels	7.1 channels
Audio chip	Realtek ALC892
Expansion slots	
PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 (Gen 3.x) slots	1
Number of M.2 (M) slots	1
BIOS	
Clear CMOS jumper	Yes
Logistics data	
Harmonized System (HS) code	84733020
Weight & dimensions	
Width	244 mm
Depth	210 mm
Packaging content	
Cables included	SATA
Drivers included	Yes