

A320M-A PRO MAX

MSI A320M-A Pro Max AMD A320 Chipset AMD Ryzen AM4 Socket Motherboard

Product Overview

MSI A320M-A Pro Max AMD A320 Chipset AMD Ryzen AM4 Socket Motherboard, 2 x DDR4 memory slots, support up to 32GB, 1x 24-pin ATX main power connector, 1x 4-pin ATX 12V power connector, 4x SATA 6Gb/s connectors, 2x USB 2.0 connectors (supports additional 4 USB 2.0 ports), 1 x USB 3.2 Gen1 connector (supports additional 2 USB 3.2 Gen1 ports), 1x 4-pin CPU fan connector, 1x 4-pin system fan connector, 1x Front panel audio connector, 2x Front panel connectors, 1x TPM module connector, 1x Chassis Intrusion connector, 1x Serial port connector, 1x Clear CMOS jumper, Mouse, DVI-D Port, 4 x USB 3.2 Gen1, LAN Port, Keyboard, HDMI Port, 2 x USB 2.0 Ports, HD Audio Connectors, m-ATX Form Factor, 23.6 cm x 20.0 cm



Specifications

Features:

DIY FRIENDLY

MSI motherboards feature tons of convenient and smart design, such as convenient pin-header keep out zone, friendly SATA & USB location and so on, so DIY users can pick and choose any gaming rig they want.

STAY COOL FOR RELIABLE SYSTEM

Cooling your PC is essential for reliable performance. MSI motherboards feature excellent power design with solid and heavy heatsink. We've made sure to include enough fan headers with full control to allow you to cool your system any way you want.

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.

Maximum Compatibility

Every MSI motherboards are certified by strict mechanic that feature convenient pin-header keep out zone, friendly SATA & USB location for compatibility with the widest range of components and devices, so DIY user can pick and choose the components they want. More than that, we offer a dedicated Qualified Vendor List (QVL) for the most critical part - memory. Combining with MSI DDR4 Boost technology, we provide the maximum compatibility, so you confirm and choose any gaming rig as you want.

Ryzen processors support

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Product Specification Sheet

MSI AM4 motherboards perfectly support AMD Ryzen processors. Combining MSI Core Boost, you can release maximum performance no matter what CPU you use.

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 and configurations.

APPS TO GREATLY IMPROVE EFFICIENCY

With years of experience in creating performance enhancing tools that are easy to use, only the highest quality applications are at your disposal. Use these tools to get the most out of your motherboard and achieve victory when gaming. Moreover, we made sure our BIOS contains all the latest options and is easy to use for everyone. The extensive features let you fine-tune your system to deliver reliable maximum performance.

X-BOOST YOUR STORAGE

This unique and exclusive software allows you to boost the performance of any storage or USB device connected to your system. Simply use X-BOOST's Easy or Advanced mode to tune your system speed increased, higher system responsiveness and faster loading of data.

TAKE COMMAND OF YOUR SYSTEM

MSI's Command Center software is the perfect tool to get the most out of your motherboard. With an intuitive interface, Command Center allows you to tune settings to increase system stability, maximize performance and optimize your system's cooling features.

ENHANCED PERFORMANCE

MSI motherboards featured all the latest solution for enthusiast gamers and prosumers. CPU and memory enhancement and fast storage and USB transfer speed are ready to be on the battlefield.

CPU

Power on your RYZEN processor with optimized circuit layouts and high quality power delivery parts for an incredibly stable operation.

MEMORY

Optimized layout design and a fully isolated memory circuitry ensures perfect stability and performance. You never have to worry about your system crashing during games with MSI DDR4 BOOST.

EASY overclocking with XMP profile

The XMP (Extreme Memory Profiles) 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.

Fast and Future-ready Storage

MSI motherboards support all the latest storage standards, which allows users to connect any ultra-fast storage device. Start games faster, load levels faster and have a real advantage over your enemies.

AMD StoreMI

All MSI X470 & B450 motherboards are shipped with STOREMI, the new AMD SSD technology to improve storage performance. This tool helps create a virtual SSD by blending capacity storage, treats flash as primary storage and optimizes data access with monitoring continuously. All these functions can enhance read/write speed for active data and provide fast boot times and application startup.

Turbo M.2

Enjoy a blazing fast system boot up and insanely quick loading of applications and games with MSI motherboards. Delivering

speeds up to 32Gb/s per device using Gen3 x4, Turbo M.2 is over 5 times faster than a regular SATA III connection!

IN-STUDIO ADVANTAGE

MSI motherboards provide the most fascinating in-studio advantages, designed to satisfy any professional workflow. Elevate your listening pleasure and network connection with MSI Audio & LAN. Enjoy extreme sound quality and uninterrupted online experience.

SOUND THAT PULLS YOU INTO THE GAME

Reward your ears with studio grade sound quality. MSI Audio Boost delivers the highest sound quality through the use of premium quality audio components. This lets you enjoy breathtaking, studio quality sound to create the most immersive sound experience.

EXHILARATING AND INSPIRING

Each MSI motherboard is built based on the specific topic in order to match different tastes and favors. Furthermore, MSI also adopts the modern style to design the heatsink through huge surface and sleek but simple cuts in order to make the heatsink and appearance looks ripped and powerful. Combined with neutral color, such as black, grey and silver, as the main background, MSI motherboard can perfect fit different RGB LED effects and strongly shows the gamers tunes.

MAKE YOUR PC MORE THAN YOU THINK

PRO Series motherboards combine stable functionality and high quality assembly for clever business solutions. Designed to satisfy any professional workflow, PRO Series motherboards make life easier for businesses and office use.

LOYAL COMRADE

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.

BUILT ON EVERLASTING QUALITY

Using only the finest quality components and integrating the latest technological innovations delivers the best possible professional experience. Rigorous quality testing under the most extreme conditions ensures a super reliable, long-lasting and high performance motherboard.

SUPER STABLE GAMING WITH THE HIGHEST QUALITY COMPONENTS

MSI uses the high quality components , which is shielded by the best protection to make sure your system runs smoothly under the most extreme conditions.

SOLID CAP

With their aluminum core design and Japanese made quality, Solid CAPs are made for high-end design motherboard. Not only do Solid CAPs could provide lower Equivalent Series Resistance (ESR), but also work firmly for over-10-year.

DARK CHOKE

A special core design allows the Dark Choke to run at a lower temperature offering better power efficiency and stability.

ULTIMATE MOTHERBOARD PROTECTION

We've made sure you can enjoy your system endlessly. MSI motherboards feature Double ESD protection with double layer grounding around the motherboard mounting holes, preventing Electrostatic discharge (ESD) surges from damaging the motherboard.

WINDOWS 10 CERTIFIED

With MSI you benefit from great compatibility and a worry-free user experience when using Microsoft Windows 10. With a true dedication to performance, our R&D team has made sure everything works as intended when using the latest version of Microsoft Windows on any MSI product.

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Product Specification Sheet

Specifications:

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Specifications

Product Code	A320M-A PRO MAX
Socket	AM4
CPU (Max Support)	RYZEN
Chipset	AMD A320 Chipset
DDR4 Memory	1866/ 2133/ 2400/ 2667Mhz (by JEDEC)
	2667/ 2800/ 2933/ 3000/ 3066/ 3200 MHz (by A-XMP OC MODE)
Memory Channel	Dual
DIMM Slots	2
Max Memory (GB)	32
PCI-E x16	1
PCI-E Gen	Gen3
PCI-E x1	1
SATAIII	4
M.2 Slot	1
RAID	0/1/10
TPM (header)	1
LAN	1x Realtek 8111H
USB 3.2 ports (Front)	2(Gen1, Type A)
USB 3.2 ports (Rear)	4(Gen1, Type A)
USB 2.0 ports (Front)	4
USB 2.0 ports (Rear)	2
Serial ports(Front)	1
Audio ports (Rear)	Realtek ALC892 Codec
DVI-D	1
HDMI	1
DirectX	12
Form Factor	m-ATX
Operating System	Support for Windows 10 64-bit
	Support for Windows 7 64-bit
	* To support Windows 7 64-bit, you must install an AMD Pinnacle Ridge & Summit Ridge CPU.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/A320M-A-PRO-MAX-MSI-A320M-A-Pro-Max-AMD-A320-Chipset-Buy-p-232376.php>

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