MS-A320M PRO-VD/S V2

MSI A320M PRO-VD/S V2 AMD A320 Chipset AMD Ryzen AM4 Motherboard

Product Overview

MSI A320M PRO-VD/S V2 AMD A320 Chipset AMD Ryzen AM4 Motherboard, 2 x DDR4 memory slots, support up to 32GB, Support DDR4 1866/ 2133/ 2400/ 2667 Mhz, 1 x 24-pin ATX main power, 1 x 8-pin ATX 12V power, 4 x SATA 6Gb/s, 2 x USB 2.0 (supports additional 4 USB 2.0 ports), 1 x USB 3.1 Gen1 (supports additional 2 USB 3.1 Gen1 ports), 1 x 4-pin CPU fan, 1 x 4-pin system fan, 1 x Front panel audio, 2 x Front panel, 1 x TPM module, 1 x Chassis Intrusion, 1 x Serial port connector, 1 x Clear CMOS jumper, PS/2 Device Port, DVI-D Port, VGA Port, 4 x USB 3.1 Gen1, LAN Port, HD Audio Connectors, 2 x USB 2.0 Ports, m-ATX Form Factor, 23.6 cm x 18.7 cm



Specifications

Features:

Making your life easier is our business
Combining quality you can rely on with top performance and clever business solutions are key aspects of the MSI PRO SERIES motherboards. Engineered to gratify even the most demanding professional, these motherboards will fit in any PC. Making your life easier and supporting your business with super stable, reliable and long-lasting top performance.

Stay cool
Cooling your PC is essential for reliable performance. We've made sure to include enough fan headers with full control to allow you to cool your system to the max.

FULLY CONTROLLABLE FAN HEADERS
MSI motherboards let you manage speeds and temperatures for all your system and CPU fans, giving you full control to set up a cool & silent system. The fan headers are conveniently placed with the most popular CPU coolers in mind.

DC OR PWM MODE WITH HYSTERESIS
MSI fan headers automatically detect fans running in DC or PWM mode for optimal tuning of fan speeds and silence. Hysteresis also makes your fans spin up fluently to make sure your system stays silent, no matter what.

TOTAL CONTROL IN BIOS AND SOFTWARE
Total Fan Control allows you to take control of your fans and 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.

Enjoy the latest video standards
Supporting the latest display connectors for new technologies (OLED, HDR) and legacy connectors for beamers, MSI motherboards are designed to make life easier for any professional user.

LEGACY DVI / VGA VIDEO SUPPORT
Professional monitors, TVs, beamers and other displays, are all supported by the VGA and DVI-D outputs on MSI motherboard. No matter what screen type you want to connect, using a dedicated graphics card or an onboard connector, MSI motherboards have you covered.

Professional sound quality
Get the most immersive sound experience. MSI Audio Boost delivers the highest sound quality through the use of premium quality audio components. This lets you enjoy breathtaking, game-changing sound to create the most dynamic soundscapes.

Amplify your game with Audio Boost
Built on years of experience in building motherboards dedicated to giving gamers true Hi-Fi sound. Audio Boost has developed into a high quality audio unit, offering a clear advantage over your opponents when gaming. Locate your enemies with your eyes closed using Audio Boost.

Isolated audio design with LED border
Audio Boost operates like a dedicated soundcard by being physically isolated from the rest of the motherboard circuitry to ensure the purest audio signal possible. A bright border illuminated by LEDs showcases and protects the Hi-Fi audio unit.

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.

De-pop protection
Audio Boost protects your ears by eliminating those annoying loud popping sounds when you plug/unplug devices or turn your PC on/off.

Dedicated High Definition audio processor
Audio Boost is powered by an EMI-shielded high quality HD audio processor, making sure you enjoy the purest sound quality in both stereo and surround sound.

Chemi-Con Audio capacitors for a warmer sound
By dedicating golden audio capacitors to the front output, a high fidelity sound experience with exceptional acoustics and realism for studio level headphones is ensured. The Chemi-Con audio capacitors are widely considered to be one of the great choices for the best sound output.

5.1 audio for true surround sound
With high quality audio connectors you get the best possible signal output with less chance of distortion.

Stable, secure & fast networking
Optimized for professional and multimedia use, this generation comes equipped with a high quality network solution ready to serve you with 24/7 reliability when transferring big data.

STABLE, SECURE NETWORKING
The Gigabit network adapter on MSI Professional motherboards offers fast, reliable and secure networking.

Featuring Network Manager for easy to use bandwidth optimizing

- Allows you to change applications' traffic priority
- Perfect for cloud computing and data syncing

Be the first to boot up in the morning
This MSI product supports all the latest storage standards. This allows you to connect any ultra-fast storage device, giving you noticeable benefits. Start programs faster, load data faster and increase productivity.

XBOOST YOUR STORAGE PERFORMANCE
This great little tool is very simple to use and automatically detects your storage devices connected to the system. When enabled, X-Boost optimizes your SSDs to keep your system fast and maximize storage performance, saving you a lot of time when loading or transferring data.

SATA MASS STORAGE
We made sure each MSI motherboard comes with enough SATA ports to connect loads of HDDs for long term storage of large files and system backups.

Unmatched memory performance
MSI motherboards are crammed with features to fuel your system's memory with more speed, higher overclockability and increased stability.

ENHANCED STABILITY WITH OPTIMIZED MEMORY LAYOUT
Optimized traces and a fully isolated memory circuitry ensures perfect stability and performance, so you never have to worry about your system crashing.

MEMORY SPEED IMPACTS PERFORMANCE
The technical enhancements of DDR4 Boost allow for more stability at higher memory speeds compared to other brands. Enjoy the additional boost in gaming performance or when working with large video and photography files.

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.

Designed for limitless Tuning
Founded on experience and with a long history of creating the best performing motherboards packed with smart features, you can count on this motherboard to deliver the best performance under the most extreme conditions. Countless system tuning and troubleshooting tools are at your disposal to push your system to new heights and satisfy even the most demanding tweaker.

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

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.

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.

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.

SUPER STABLE WITH THE HIGHEST QUALITY COMPONENTS
MSI uses Military Class 4 components, which is the latest evolution of the industries' highest quality standard. These high quality components are shielded by the best protection to make sure your system runs smoothly under the most extreme conditions.

SOLID CAP
A key ingredient in high-end motherboard designs, Dark Caps have lower Equivalent Series Resistance (ESR) and an increased lifespan of over 10 years.

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

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.

Maximize your USB device performance
Transfer lots of data, music and movies over USB faster than ever. MSI offers a wide variety of options to connect and boost your USB 3.1 devices, delivering lightning-fast transfer speeds!

X-BOOST YOUR USB PERFORMANCE
When enabled, X-Boost optimizes your devices for even better transfer speeds and can provide up to 30% increase in USB performance, saving a lot of time when transferring data. This handy tool is very easy to use and automatically detects & optimizes the USB devices connected to your system.

Front side USB faster than ever with USB 3.1
Ready for next generation cases and perfect to use with the latest smartphones, the onboard front side USB connector now offers ultra-high speed through USB 3.1 with Type-A.

DOUBLE ESD PROTECTION
Never worry about damage caused by defective USB devices. The USB ports on MSI motherboards are shielded by a set of protective ICs to prevent damage caused by Electrostatic Discharge (ESD) from plugging/unplugging USB devices.

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.

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 for up to 30% increased speeds, 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.

Always Up-To-Date
Never miss out on important updates. MSI Live Update automatically downloads and installs the latest drivers, BIOS and software so you can focus on your game.

SSD not fast enough? Try MSI® RAMDISK
MSI motherboards include RAMDisk, allowing you to create a virtual drive from your system RAM memory. Instantly load your software, speed up your browser or your page file to significantly speed up your system!

- Speed up system performance, over 25x faster than a SATA SSD
- Speed up games, apps and browser
- Increase SSD lifespan

A user-friendly BIOS
We made sure our BIOS contains all the latest options and is easy to use for everyone. The extensive features found in CLICK BIOS 5 let you fine-tune your system to deliver reliable maximum performance.

Specifications:

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Specifications	
Product Code	MS-A320M PRO-VD/S V2
Socket	AM4
CPU (Max Support)	RYZEN 7
Chipset	AMD A320 Chipset
DDR4 Memory	1866/2133/2400/2667 Mhz
Memory Channel	Dual
DIMM Slots	2
Max Memory (GB)	32
PCI-E x16	1
PCI-E Gen	Gen3
PCI-E x1	2
SATAIII	4
RAID	0/1/10
TPM (header)	1
LAN	10/100/1000*1
USB 3.1 ports (Front)	2(Gen1)
USB 3.1 ports (Rear)	4(Gen1)
USB 2.0 ports (Front)	4
USB 2.0 ports (Rear)	2
Serial ports(Front)	1
Audio ports (Rear)	Realtek ALC887 Codec
DVI-D	1
VGA	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-computers.co.za/MS-A320M-PRO-VD-S-V2-MSI-A320M-PRO-VD-S-V2-AMD-A320-Chipset-AMD-Ryzen-AM4-Motherboard-p-220959.php

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