A320M PRO-VH

MSI A320M PRO-VH Socket AM4 3rd Gen mATX Motherboard

Product Overview

MSI A320M PRO-VH Socket AM4 3rd Gen mATX Motherboard, AMD A320 Chipset, 2x DDR4 Memory slots, 1x PCI-e 3.0 x16 slot, 1x PCI-e 2.0 x1 slot, 1x VGA Port, 1x HDMI 1.4 Port, 4x SATA 6Gb/s ports, 1x M.2 slot (Key M), 6x USB 3.2 Gen1, 6x USB 2.0, 7.1-channel high definition audio, 1x REALTEK8111h Gigabit LAN controller











Specifications

Overview:

A320M PRO-VH

- Supports 1st, 2nd and 3rd Gen AMD Ryzen / Ryzen with Radeon Vega Graphics and 2nd Gen AMD Ryzen with Radeon Graphics / Athlon with Radeon Vega Graphics and A-series / Athlon X4 Desktop Processors for Socket AM4
- Supports DDR4 Memory, up to 3200(OC) MHz
- Turbo M.2: Running at PCI-E Gen3 x4 maximizes performance for NVMe based SSDs
- Core Boost: With premium layout and digital power design to support more cores and provide better performance
- DDR4 Boost: Advanced technology to deliver pure data signals for the best performance and stability
- 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

Features:

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.

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.

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.

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.

EASY OVERCLOCKING WITH A-XMP PROFILE

Choose from a preset A-XMP profile in CLICK BIOS 5 and automatically overclock compatible DDR memory.

The MSI OC lab has tested and certified these settings for speed and stability.

Specifications:

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Specifications	
Product Code	A320M PRO-VH

Quick Spec	
CPU (Max Support)	Ryzen 9
Socket	AMD Socket AM4
Chipset	AMD A320 Chipset
DDR4 Memory	Supports DDR4 1866/ 2133/ 2400/ 2667/ 2800/ 2933/ 3000/ 3066/ 3200 MHz by JEDEC
	Supports DDR4 2667/ 2800 /2933 /3000 /3066 /3200 MHz by A-XMP OC Mode
Memory Channel	Dual
DIMM Slots	2
Max Memory (GB)	64
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 RTL8111H Gigabit LAN
USB 3.2 ports (Front)	2(Gen 1, Type A)
USB 3.2 ports (Rear)	4(Gen 1, Type A)
USB 2.0 ports (Front)	4
USB 2.0 ports (Rear)	2(Type A)
Serial ports(Front)	1
Audio ports (Rear)	Realtek ALC892/ALC897 Codec
VGA	1
HDMI	1
DirectX	12
Form Factor	M-ATX
Operating System	Support for Windows 10 64-bit
Detailed Spec	
CPU	Supports 1st, 2nd and 3rd Gen AMD Ryzen, Ryzen with Radeon Vega Graphics, 2nd Gen AMD Ryzen with Radeon Graphics, Athlon with Radeon Vega Graphics, A-series and Athlon X4 Desktop Processors for Socket AM4
Chipset	AMD A320 Chipset

Memory	2x DDR4 memory slots, support up to 32GB
	Supports 1866/ 2133/ 2400/ 2667Mhz (by JEDEC)
	Supports 2667/ 2800/ 2933/ 3000/ 3066/ 3200 MHz (by A-XMP OC MODE)
	Dual channel memory architecture
	Supports ECC UDIMM memory (non-ECC mode)
	Support non-ECC UDIMM memory
Expansion Slot	1x PCIe 3.0 x16 slot
	Supports x16 speed
	1st, 2nd and 3rd Gen AMD Ryzen
	Supports x8 speed
	Ryzen with Radeon Vega Graphics
	2nd Gen AMD Ryzen with Radeon Graphics
	A-series
	Athlon X4
	Supports x4 speed
	AMD Athlon with Radeon Vega Graphics
	1x PCIe 2.0 x1 slot
Onboard Graphics	1x VGA port, supports a maximum resolution of 2048x1280 @60Hz
	1x HDMI 1.4 port, supports a maximum resolution of 4096x2160 @24Hz
	1. Only support when using the processor with Graphics
	2. Maximum shared memory of 2048 MB
Storage	AMD A320 Chipset
	4x SATA 6Gb/s ports
	Supports RAID 0, RAID1 and RAID 10
	1x M.2 slot (Key M)
	Supports PCIe 3.0 x4 and SATA 6Gb/s
	1st, 2nd and 3rd Gen AMD Ryzen
	Ryzen with Radeon Vega Graphics
	2nd Gen AMD Ryzen with Radeon Graphics
	Supports PCIe 3.0 x2 and SATA 6Gb/s
	AMD Athlon with Radeon Vega Graphics
	A-series
	Athlon X4
	Supports 2242/ 2280/ 22110 storage devices

USB	6x USB 3.2 Gen1 (SuperSpeed USB) ports (4 ports on the back panel, 2 ports available through the internal USB connector)
	6x USB 2.0 (High-speed USB) ports (2 ports on the back panel, 4 ports available through the internal USB connectors)
Audio	Realtek ALC892/ALC897 Codec
	7.1-Channel High Definition Audio
LAN	1x Realtek8111H Gigabit LAN controller
Internal connectors	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)
	1x 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
Back panel ports	1. Mouse
	2. VGA
	3. LAN
	4. HD Audio Connectors
	5. Keyboard
	6. HDMI
	7. USB 3.2 Gen 1 5Gbps Type-A
	8. USB 3.2 Gen 1 5Gbps Type-A
	9. USB 2.0
Dimensions	M-ATX Form Factor
	9.3 in. x 7.9 in. (23.6 cm x 20.0 cm)
MOUNTING	6 mounting holes
Box content	1. MSI does not guarantee the risks or damages caused by changing the cover.
	2. These pictures are for reference only and may vary without notice.

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/A320M-PRO-VH-MSI-A320M-PRO-VH-Socket-AM4-3rd-Gen-mATX-Motherboard-p-254033.php

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