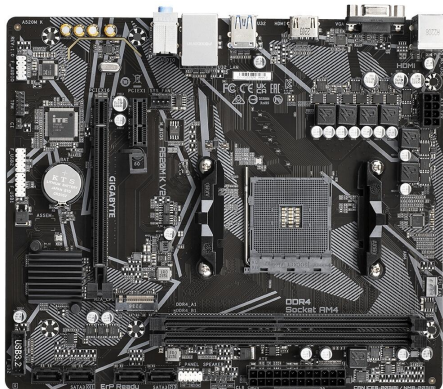


90MB1500-M0EAY0

Gigabyte AMD A520M K V2 AMD Ryzen 5000 Series Socket AM4 mATX Motherboard

Product Overview

Gigabyte AMD A520M K V2 AMD Ryzen 5000 Series Socket AM4 mATX Motherboard, AMD A520 Chipset, 2x DDR4 DIMM Memory slots, 1x D-Sub Port, 1x HDMI Port, Realtek GbE LAN Chip, 1x PCI Express x16 slot supporting PCI-e 3.0 and running at x16, 1x PCI Express x1 slot supporting PCI-e 3.0 and running at x1, 1x M.2 connector PCI-e 3.0 x4/x2, 4x SATA 6Gb/s connectors, USB 3.2 Gen 1 Ports, USB 2.0/1.1 Ports, 1x PS/2 Keyboard/Mouse Port, 3x audio jacks





Specifications

Overview:

A520M K V2 (rev. 1.0)

AMD A520 Ultra Durable Motherboard with GbE LAN with Bandwidth Management, PCIe 3.0 x4 M.2, Smart Fan 5, Anti-Sulfur Resistors Design

- Supports AMD Ryzen 5000 Series/ Ryzen 5000 G-Series/ Ryzen 4000 G-Series and Ryzen 3000 and Ryzen 3000 G-Series Processors
- Dual Channel ECC/ Non-ECC Unbuffered DDR4, 2 DIMMs
- PCIe Gen3 x4 M.2 with PCIe NVMe & SATA mode support
- GbE LAN with Bandwidth Management
- 8-Channel HD Audio with High Quality Audio Capacitors
- Rear HDMI and D-sub for Multi-display Support
- Smart Fan 5 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
- GIGABYTE APP Center, Simple and Easy Use

Features:

NVMe PCIe Gen 3 x4 2280 M.2 Connector

GIGABYTE Motherboards are focused on delivering M.2 technology to enthusiasts who want to maximize their system's potential.

GbE LAN with Bandwidth Management

GbE LAN features a network bandwidth management application which helps to improve network latency and maintain low ping times to deliver better responsiveness in crowded LAN environments.

COOLING - Smart Fan 5

With Smart Fan 5 users can ensure that their gaming PC can maintain its performance while staying cool. Smart Fan 5 allows users to interchange their fan headers to reflect different thermal sensors at different locations on the motherboard. Not only that, with Smart Fan 5 more hybrid fan headers that support both PWM and Voltage mode fans have been introduced to make the motherboard more liquid cooling friendly.

High-End Audio Capacitors

GIGABYTE motherboards use high-end audio capacitors. These high quality capacitors help deliver high resolution and high fidelity audio to provide the most realistic sound effects for gamers.

Audio Noise Guard

GIGABYTE motherboards feature an audio noise guard that essentially separates the board's sensitive analog audio components from potential noise pollution at the PCB level.

GIGABYTE Patented Double Locking Bracket

Sulfur compounds in the air can penetrate tiny onboard resistors creating chemical change and causing these resistors to open or short. If either of these occurs the motherboard will fail to function. By equipping resistors with an Anti-Sulfur Design GIGABYTE gives Ultra Durable Motherboards a whole new meaning.

GIGABYTE EXCELLENCE

- GIGABYTE BIOS & Applications
- BIOS
- APP CENTER
- EasyTune
- @BIOS

Refreshed BIOS

The BIOS is essential for users during initial setup to allow for the most optimal settings. With a new GUI and easier to use functionalities, GIGABYTE has been able to reinvent the BIOS to give users a better experience while setting up their new system.

4K Ultra HD Support

4K resolution is the next technological milestone in high-definition content delivery, utilizing approximately 4,000 pixels on the horizontal axis, more than four times today's standard HD pixel density. GIGABYTE motherboards provide native 4K support with integrated AMD RadeonGraphics via HDMI.

HDMI - The Next Generation Multimedia Interface

HDMI is a High-Definition Multimedia Interface which provides up to 5Gb/s video transmitting bandwidth and 8-channel high quality audio all through a single cable. Able to transmit superior, uncompressed digital video and audio, HDMI ensures the crispest rendering of digital content up to 1080p without the quality losses associated with analog interfaces and their digital-to-analog conversion. In addition, HDMI is compatible with HDCP (High-bandwidth Digital Content Protection), allowing the playback of Blu-ray/HD DVD and other protected media content.

Specifications:

© 2025 Respective owners and brand holders. This table has been carefully researched and generated by ComXpert International CC (<http://www.comx.co.za>), however, errors and omissions may occur. Only references to South Africa apply. All products are sourced in South Africa from the official suppliers and the warranty is that of the local supplier. E&OE. This table and our site's content may be used on condition that this notice and link remains intact and unaltered.

Specifications

Product Code	90MB1500-M0EAY0
CPU	1. AMD Socket AM4, support for: AMD Ryzen 5000 G-Series Processors/ AMD Ryzen 5000 Series Processors/ AMD Ryzen 4000 G-Series Processors/ AMD Ryzen 3000 and Ryzen 3000 G-Series Processors
Chipset	1. AMD A520
Memory	1. 2 x DDR4 DIMM sockets supporting up to 64 GB (32 GB single DIMM capacity) of system memory
	2. Support for DDR4 5100(O.C.) / 4800(O.C.) / 4600(O.C.) / 4400(O.C.) / 4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) / 3733(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3200 / 2933 / 2667 / 2400 / 2133 MHz memory modules
	3. Dual channel memory architecture
	4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)
	5. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
	6. Support for Extreme Memory Profile (XMP) memory modules

Onboard Graphics	Integrated Graphics Processor:
	1. 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz
	2. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
	* Support for HDMI 2.1 version, HDCP 2.3, and HDR.
	Maximum shared memory of 16 GB
Audio	1. Realtek Audio CODEC
	2. High Definition Audio
	3. 2/4/5.1/7.1-channel
	* You can change the functionality of an audio jack using the audio software. To configure 7.1-channel audio, access the audio software for audio settings.
LAN	1. Realtek GbE LAN chip (1 Gbps/100 Mbps)
Expansion Slots	CPU:
	1. 1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x16
	Chipset:
	1. 1 x PCI Express x1 slot, supporting PCIe 3.0 and running at x1
Storage Interface	CPU:
	1. 1 x M.2 connector (Socket 3, M key, type 2280 SATA and PCIe 3.0 x4/x2 SSD support)
	Chipset:
	1. 4 x SATA 6Gb/s connectors
	Support for RAID 0, RAID 1, and RAID 10
USB	CPU:
	1. 4 x USB 3.2 Gen 1 ports on the back panel
	Chipset:
	1. 2 x USB 3.2 Gen 1 ports available through the internal USB header
	2. 6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)

ComX Computers

Product Specification Sheet

Internal I/O Connectors	1. 1 x 24-pin ATX main power connector
	2. 1 x 8-pin ATX 12V power connector
	3. 1 x CPU fan header
	4. 1 x system fan header
	5. 1 x M.2 Socket 3 connector
	6. 4 x SATA 6Gb/s connectors
	7. 1 x front panel header
	8. 1 x front panel audio header
	9. 1 x USB 3.2 Gen 1 header
	10. 2 x USB 2.0/1.1 headers
	11. 1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0_S module only)
	12. 1 x speaker header
	13. 1 x Clear CMOS jumper
	14. 1 x chassis intrusion header
Back Panel Connectors	1. 1 x PS/2 keyboard/mouse port
	2. 1 x D-Sub port
	3. 1 x HDMI port
	4. 4 x USB 3.2 Gen 1 ports
	5. 2 x USB 2.0/1.1 ports
	6. 1 x RJ-45 port
	7. 3 x audio jacks
I/O Controller	1. iTE I/O Controller Chip
H/W Monitoring	1. Voltage detection
	2. Temperature detection
	3. Fan speed detection
	4. Fan fail warning
	5. Fan speed control
	* Whether the fan speed control function is supported will depend on the cooler you install.
BIOS	1. 1 x 128 Mbit flash
	2. Use of licensed AMI UEFI BIOS
	3. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0

ComX Computers

Product Specification Sheet

Unique Features	1. Support for APP Center
	* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.
	@BIOS
	EasyTune
	Smart Backup
	System Information Viewer
	2. Support for Q-Flash
	3. Support for Xpress Install
Bundled Software	1. Norton Internet Security (OEM version)
	2. LAN bandwidth management software
Operating System	1. Support for Windows 11 64-bit
	2. Support for Windows 10 64-bit
Form Factor	1. Micro ATX Form Factor, 23.3cm x 19.8cm
Remark	1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.
	2. Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP. If drivers are available from the vendors, we will update them on the GIGABYTE website.

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/90MB1500-M0EAY0-Gigabyte-AMD-A520M-K-V2-AMD-Ryzen-5000-Buy-p-318807.php>

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: <https://www.comx-computers.co.za/terms-of-use.php>

Terms of Sale: <https://www.comx-computers.co.za/terms-of-sale.php>

PDF generated: 2026-10-10 00:30:31.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.