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GEEKOM GEEKOM A6

GEEKOM A6 Mini PC User Manual

MODEL: GEEKOM A6

Brand: GEEKOM

WELCOME TO YOUR GEEKOM A6 MINI PC MANUAL

Thank you for choosing the GEEKOM A6 Mini PC. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new device. Please read it thoroughly to ensure optimal performance and longevity of your Mini PC.

What's in the Box

What's in the Box



Product packaging



A6 Mini PC



Thank You Card
User Guide



HDMI Cable



Power Adapter



VESA Mount

Image: GEEKOM A6 Mini PC Box Contents

- 1 x A6 Mini PC
- 1 x VESA Mount
- 1 x HDMI Cable
- 1 x Power Adapter
- 1 x User Guide

PRODUCT OVERVIEW

Key Features



AMD Radeon 680M Graphics



AMD Ryzen 7 6800H Processor

32GB

DDR5-4800 RAM

GEEKOM A6 Your All-Round Performer



Supports up to four 4K displays



Efficient, quiet, reliable cooling



Bluetooth 5.2

1TB

M.2 2280 NVMe PCIe 4.0x4 SSD



Wi-Fi 6E



USB4 - 40 Gbps



Windows 11 Pro
Pre-installed

Versatile connectivity solutions



Image: GEEKOM A6 Key Features Overview

- **Small but Mighty:** Compact 4x4x1.4-inch design with sleek aluminum-alloy chassis.
- **Versatile Performance:** Powered by AMD Ryzen 7 6800H CPU and Radeon 680M GPU for various tasks.
- **Extensive Connectivity:** Supports up to four 4K displays via 2 USB4 and 2 HDMI ports, plus versatile peripheral connectivity.
- **Blazing-Fast Memory & Storage:** Equipped with 32GB DDR5 RAM and 1TB PCIe Gen4 NVMe SSD, with an additional M.2 2242 SATA SSD slot (1TB).
- **Superb Networking:** Features 2.5Gbps Ethernet and Wi-Fi 6E for fast and reliable internet.
- **Flexible OS:** Preloaded with Windows 11 Pro, also supports Linux and Ubuntu.

Powerful Performance

AMD Ryzen 7 6800H Processor

AMD Ryzen 7 6800H

4.7

GHz

8

cores

16

threads

16MB

Cache

Powerful performance and exceptional value with AMD Ryzen 7 6800H and Radeon 680M for seamless work, creativity, and gaming.



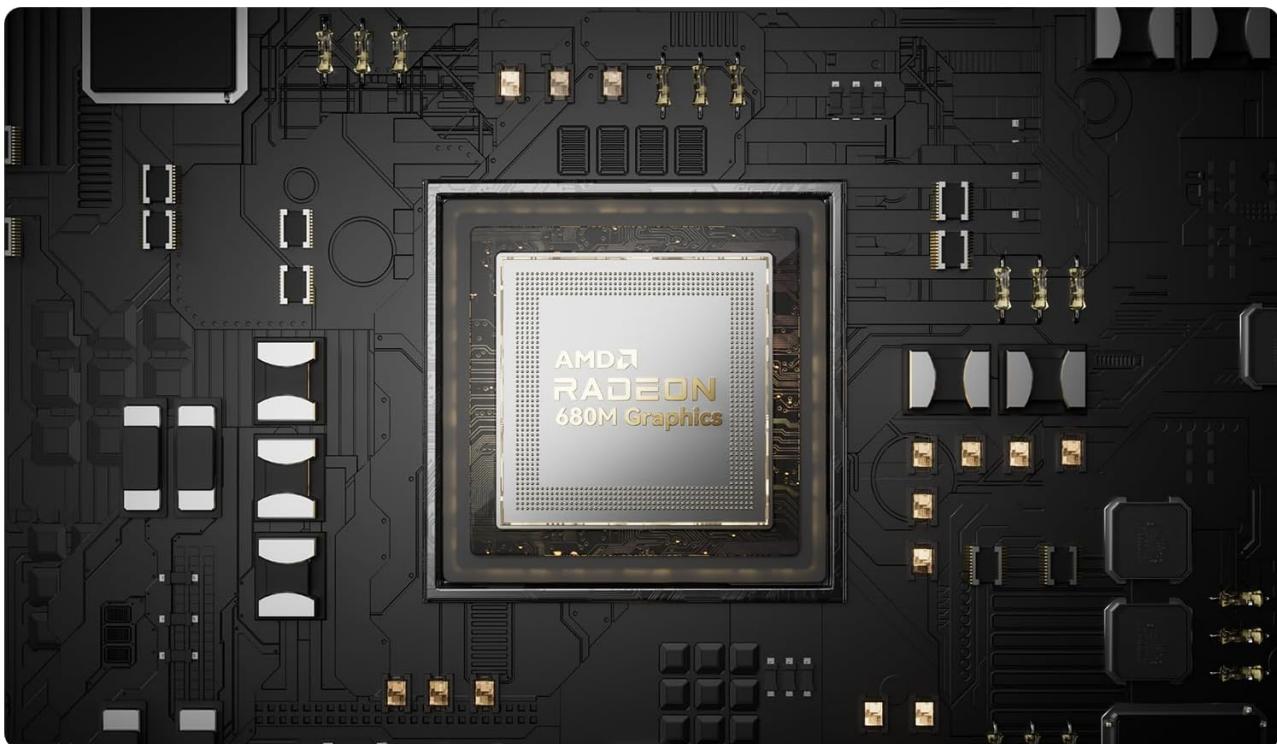
Image: AMD Ryzen 7 6800H Processor Architecture

The GEEKOM A6 is powered by the AMD Ryzen 7 6800H processor, featuring 8 cores and 16 threads with a max boost clock of 4.7GHz. This ensures smooth and responsive performance for demanding applications and multitasking.

AMD Radeon 680M Graphics

AMD Radeon 680M

Offers enhanced graphics processing capabilities, delivering a smooth and immersive streaming and gaming experience.



FPS 90-120



FPS 135-155



FPS 60-80



FPS 56-76

Image: AMD Radeon 680M Graphics Capabilities

Integrated AMD Radeon 680M graphics offer enhanced processing capabilities, delivering a smooth and immersive experience for streaming, light gaming, and creative tasks.

Memory and Storage

Maximum Power, Ultimate Expandability: Unleash the Full Potential of the GEEKOM A6

Powerful performance with 32GB DDR5 memory (upgradable to 64GB) and lightning-fast 1TB PCIe Gen 4x4 storage for seamless multitasking and demanding applications.



32GB

Dual channel DDR5 262PIN
4800MHz SODIMM, up to 64GB

1TB

PCIE Gen 4*4 SSD, up to 2TB

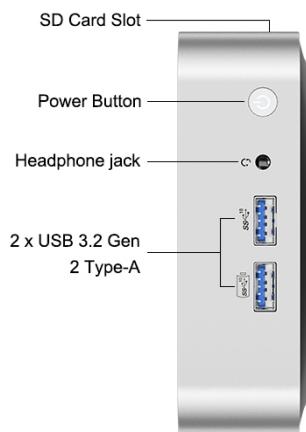
M.2 2242 SATAIII slot
Expandable up to 1TB

Image: Memory and Storage Expansion

The A6 comes with 32GB of dual-channel DDR5 RAM (upgradable to 64GB) and a 1TB PCIe Gen4 NVMe SSD. An additional M.2 2242 SATA SSD slot allows for up to 1TB of extra storage, ensuring rapid data access and seamless multitasking.

Connectivity

Port Layout



Advanced Connectivity for Every Need

Office Device Connectivity



Entertainment Device Connectivity

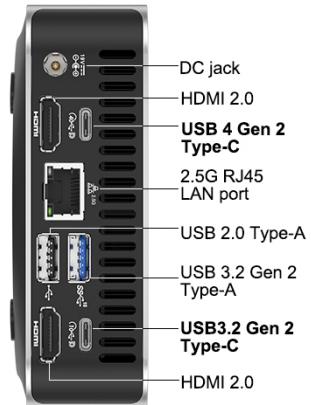


Image: GEEKOM A6 Port Configuration

The GEEKOM A6 offers a comprehensive array of ports for all your connectivity needs, including multiple USB ports (USB4, USB 3.2, USB 2.0), HDMI, and a 2.5Gbps Ethernet port.

Networking

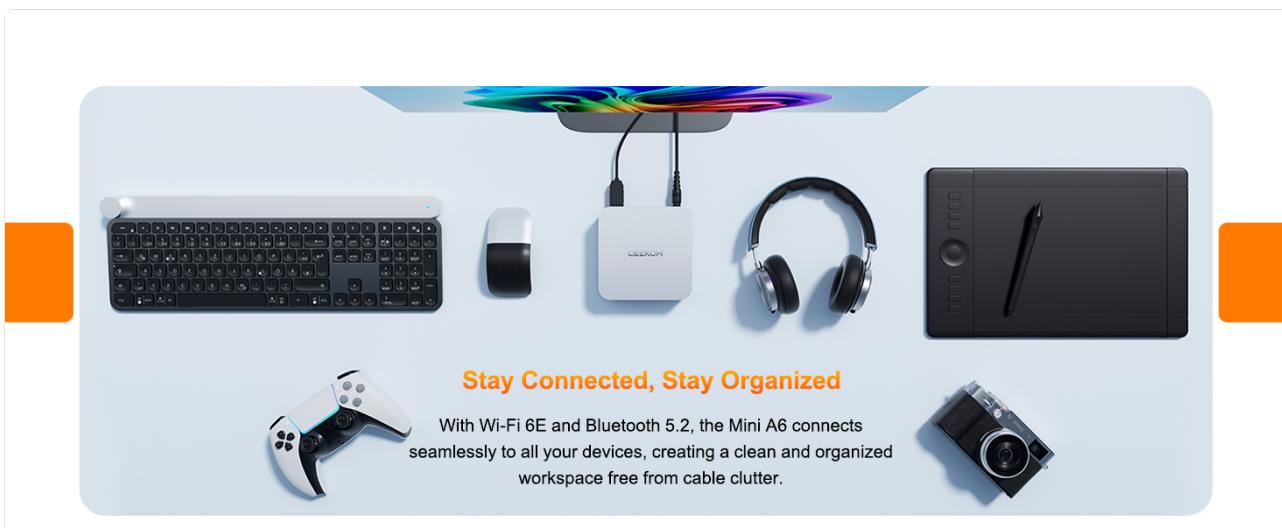


Image: GEEKOM A6 Networking Capabilities

Equipped with Wi-Fi 6E and Bluetooth 5.2, the A6 ensures fast and reliable wireless connections, perfect for online gaming, 8K video streaming, and connecting all your peripherals.

Multi-Display Support

Quad-Display Power: Up to 4K 60Hz with AMD Radeon 680M



2*40GB/S USB4



The GEEKOM A6 offers comprehensive connectivity with multiple ports, including 2 HDMI and 2 USB4, supporting up to four 4K displays and multiple high-performance peripherals. It also comes with a VESA mount for easy installation.

SDR&HDR: 3840x2160 @ 60Hz 3440x1440 @ 144Hz
2560x1440 @ 180Hz 1920x1080 @ 240Hz

Max Displays: 4

Image: Quad-Display Power

The A6 supports up to four 4K displays simultaneously via its 2 USB4 and 2 HDMI ports, significantly boosting productivity and enhancing your entertainment experience.

SETUP GUIDE

Initial Setup

Connecting Your Mini PC

1. Connect the power adapter to the DC-in port on the back of the Mini PC and plug it into a power outlet.
2. Connect your monitor(s) to the HDMI or USB4 ports using appropriate cables.
3. Connect your keyboard and mouse to the available USB ports.
4. (Optional) Connect an Ethernet cable to the 2.5G RJ45 LAN port for a wired internet connection.

Operating System

GEEKOM After-sales Support

3 Years Quality Support



1 Year

Free Replacement



2 Years

Free Maintenance



24/7

Assistance



If you have any questions, please contact us through 'Account Service', 'Order History', 'Contact Seller', we will reply you within 24 hours!

Image: Ready to Go! Pre-installed Windows 11 Pro with Multi-OS Support

The GEEKOM A6 Mini PC comes pre-installed with Windows 11 Pro. Upon first boot, follow the on-screen instructions to complete the Windows setup process. The device also supports other operating systems like Linux and Ubuntu, offering flexibility for advanced users.

Video: Small but Mighty! GEEKOM A6 Unboxing & Gaming Review. This video provides a visual guide to unboxing and initial setup of the GEEKOM A6 Mini PC.

OPERATING INSTRUCTIONS

Daily Use & Productivity

Ready to Go!

Pre-installed Windows 11 Pro with Multi-OS Support

A6 comes with Windows 11 Pro 64-bit pre-installed, offering seamless productivity right out of the box. Plus, its multi-OS support ensures flexibility for various professional and personal needs.



Image: GEEKOM A6 for Office Use

The GEEKOM A6 is designed for efficient daily computing, from web browsing and document editing to managing multiple applications simultaneously. Its compact size helps maintain a clean and organized workspace.

Video: GEEKOM A6 in Action: Emma's Productive Week. This video demonstrates the GEEKOM A6 Mini PC's use in a typical productive work week.

Creative Tasks

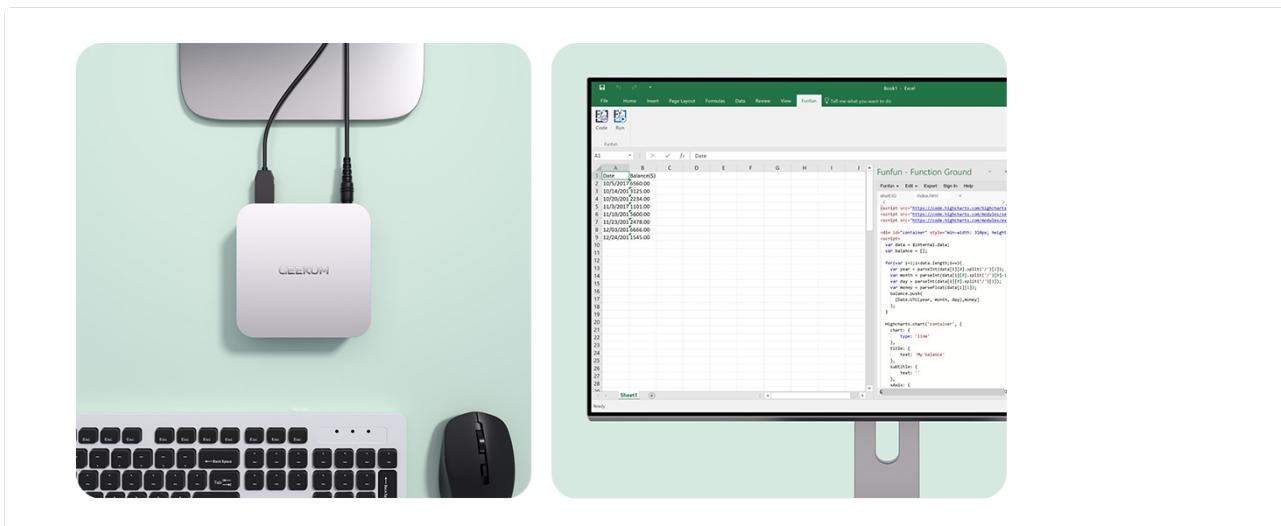


Image: GEEKOM A6 for Video Editing

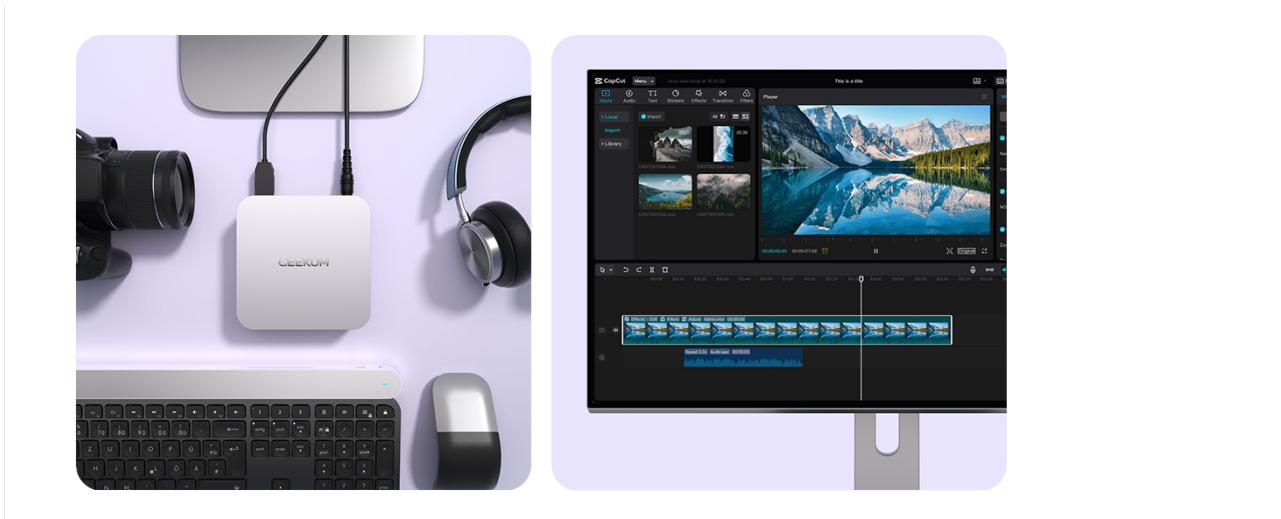


Image: GEEKOM A6 for Coding

With its powerful AMD Ryzen 7 6800H processor and Radeon 680M graphics, the A6 is well-suited for creative applications such as video editing, graphic design, and software development.

Video: Build, code, and create with the GEEKOM A6 mini PC. This video highlights the GEEKOM A6 Mini PC's capabilities for coding and creative work.

Gaming & Entertainment

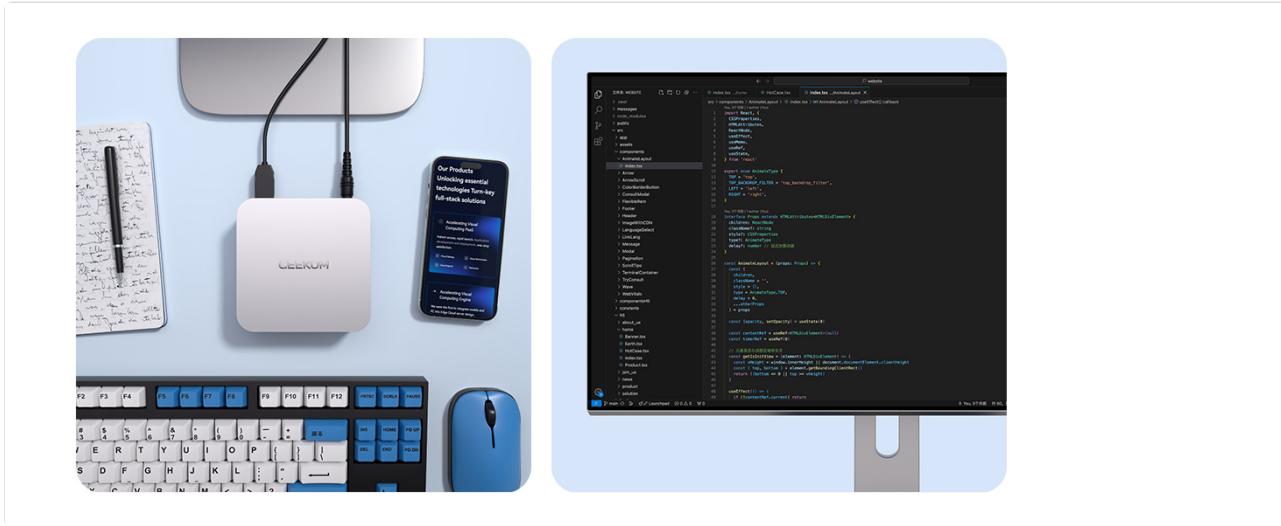


Image: GEEKOM A6 for Gaming

Enjoy smooth gaming and high-quality media consumption with the Radeon 680M graphics. The A6 is capable of

handling various games at suitable settings and provides excellent 8K video streaming.

Video: GEEKOM A6: Your All-Round Performer. This video showcases the GEEKOM A6 Mini PC's versatility across various performance demands.

MAINTENANCE

Keeping Your Mini PC Clean

To ensure optimal performance and prevent overheating, regularly clean your GEEKOM A6 Mini PC. Use a can of compressed air to clear dust from the ventilation grilles and ports. Ensure the device is powered off and unplugged before cleaning.

Upgrading Components

The GEEKOM A6 offers upgradability for its RAM and SSD. Refer to the detailed instructions in the included User Guide for safe and proper component installation. Always power off and unplug the device before attempting any internal upgrades.

TROUBLESHOOTING

Common Issues

- No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- No Display:** Verify that the HDMI/USB4 cable is firmly connected to both the Mini PC and the monitor. Try a different port or cable if necessary. Ensure the monitor is set to the correct input source.
- Slow Performance:** Check for background applications consuming resources. Ensure sufficient free storage space. Consider upgrading RAM or SSD if performance issues persist.
- Network Connectivity Issues:** For Wi-Fi, ensure you are within range of your router and the correct password is entered. For Ethernet, check the cable connection and router status.

Contacting Support

If you encounter issues that cannot be resolved using the troubleshooting steps above, please contact GEEKOM customer support. Refer to the Warranty and Support section for contact details.

TECHNICAL SPECIFICATIONS

Feature	Specification
Processor	AMD Ryzen 7 6800H (up to 4.7GHz)
Graphics Coprocessor	AMD Radeon 680M

Feature	Specification
RAM	32 GB DDR5 (upgradable to 64GB)
Hard Drive	1 TB PCIe Gen4 NVMe SSD
Additional Storage Slot	M.2 2242 SATA SSD slot (up to 1TB)
Operating System	Windows 11 Pro
Max Screen Resolution	7680 x 4320 Pixels (8K)
USB Ports	2x USB4, 3x USB 3.0, 1x USB 2.0
Video Output	2x HDMI 2.0, 2x USB4 (DisplayPort Alt Mode)
Networking	2.5Gbps Ethernet, Wi-Fi 6E, Bluetooth 5.2
Dimensions (LxWxH)	8.94 x 6.92 x 5.27 inches
Item Weight	2.42 pounds
Color	Matte Silver

WARRANTY AND SUPPORT

Warranty Information

What makes GEEKOM A6 different

One-piece Metal Housing

200KG shock resistance, drop resistance, internal structure protection



SD Card Slot

High-speed reading of SD card data



Silicone non-slip Feet

Vibration damping, non-slip



Image: GEEKOM After-sales Support Overview

The GEEKOM A6 Mini PC comes with a 3-year limited warranty covering design and workmanship defects. This includes 1 year of free replacement and 2 years of free maintenance.

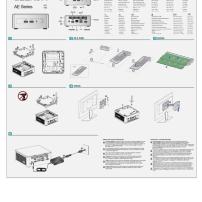
Customer Support

For any inquiries or support needs, please contact GEEKOM customer service. You can typically find contact information through your Amazon buyer's account under 'Account Service', 'Order History', or 'Contact Seller'. GEEKOM aims to respond within 24 hours.

Alternatively, you may reach out directly via email: shirley.li@geekom.tw

Video: GEEKOM's Rigorous Quality Validation Process. This video demonstrates the extensive testing and quality control measures GEEKOM applies to its products.

Related Documents - GEEKOM A6

 GEEKOM Mini PC	GEEKOM Mini PC A Series (A6, A7, A8) - User Manual and Assembly Guide Comprehensive guide for GEEKOM A Series Mini PCs (A6, A7, A8), covering installation, port descriptions, safety precautions, and FCC compliance. Learn how to set up your compact desktop computer.
	GEEKOM A Series Mini PC: A6 & A7 - Specifications, Setup, and Safety Guide Comprehensive guide for the GEEKOM A Series Mini PC, including the A6 model. Covers specifications, package contents, installation steps for M.2 SSD and DDR5 RAM, power and network connection, detailed safety warnings, environmental compliance, and maintenance information.
 GEEKOM Mini PC A6 series User Manual	GEEKOM A6 Series Mini PC User Manual: AMD Ryzen 7, DDR5, USB4, Windows 11 Pro This user manual provides comprehensive guidance for the GEEKOM A6 series Mini PC, featuring AMD Ryzen 7 6800, DDR5 RAM, and 1TB PCIe 4.0 NVMe SSD. It covers setup, operation, hardware upgrades (including memory, M.2 SSDs, wireless cards), TPM configuration, and safety precautions for Windows 11 Pro users. Learn about its ports (USB4, 8K support, Wi-Fi 6E, BT 5.2) and VESA mounting.
 GEEKOM Mini PC	GEEKOM A Series Mini PC Assembly and Safety Guide User guide detailing the assembly process and safety precautions for GEEKOM A Series Mini PCs, including models A7 and A8. Features include port descriptions and installation steps for M.2 SSD and DDR5 RAM.
	GEEKOM AE Series Mini PC AE7/AE8 User Manual and Installation Guide Comprehensive guide for the GEEKOM AE Series Mini PC (models AE7 and AE8), covering port identification, M.2 SSD and DDR5 RAM installation, VESA mounting, power connection, and essential safety information.
	GEEKOM A8 Max-R9 Mini PC User Manual and Technical Specifications Official user manual and technical specifications for the GEEKOM A8 Max-R9 Mini PC, featuring AMD Ryzen 7 R9-8945HS, 32GB RAM, and Wi-Fi/Bluetooth details. Includes warranty and compliance information.