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GEEKOM GEEKOM A6

GEEKOM A6 Mini PC Pink Edition User Manual

Model: GEEKOM A6

1. INTRODUCTION

The GEEKOM A6 Mini PC Pink Edition is a compact and powerful desktop computer designed for versatile use, from professional workloads to multimedia consumption. Featuring an AMD Ryzen 7 6800H processor, 32GB DDR5 RAM, and a 1TB PCIe 4.0 NVMe SSD, it delivers high performance in a small form factor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your GEEKOM A6 Mini PC.



Figure 1: GEEKOM A6 Mini PC Pink Edition, showcasing its compact design and matte pink finish.

2. WHAT'S IN THE BOX

Upon unboxing your GEEKOM A6 Mini PC, verify that all components are present:

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

Package List



Product packaging



A6 Mini PC



**Thank You Card
User Guide**



HDMI Cable



Power Adapter



VESA Mount

Figure 2: All items included in the GEEKOM A6 Mini PC package, neatly arranged.

3. SETUP GUIDE

3.1 Connecting Your Mini PC

1. **Power Connection:** Connect the power adapter to the DC jack on the rear of the Mini PC and then plug it into a power outlet.
2. **Display Connection:** Use the provided HDMI cable to connect your monitor or TV to one of the HDMI ports on the rear. The GEEKOM A6 supports up to four 4K displays via 2 USB4 and 2 HDMI ports.
3. **Peripherals:** Connect your keyboard and mouse to the available USB 3.2 Type-A ports on the front or rear.
4. **Network Connection:** For a wired connection, connect an Ethernet cable to the 2.5Gbps RJ45 LAN port. For wireless, the device supports Wi-Fi 6E.
5. **Audio:** Connect headphones or speakers to the 3.5mm headphone jack on the front.

Versatile Connectivity for You

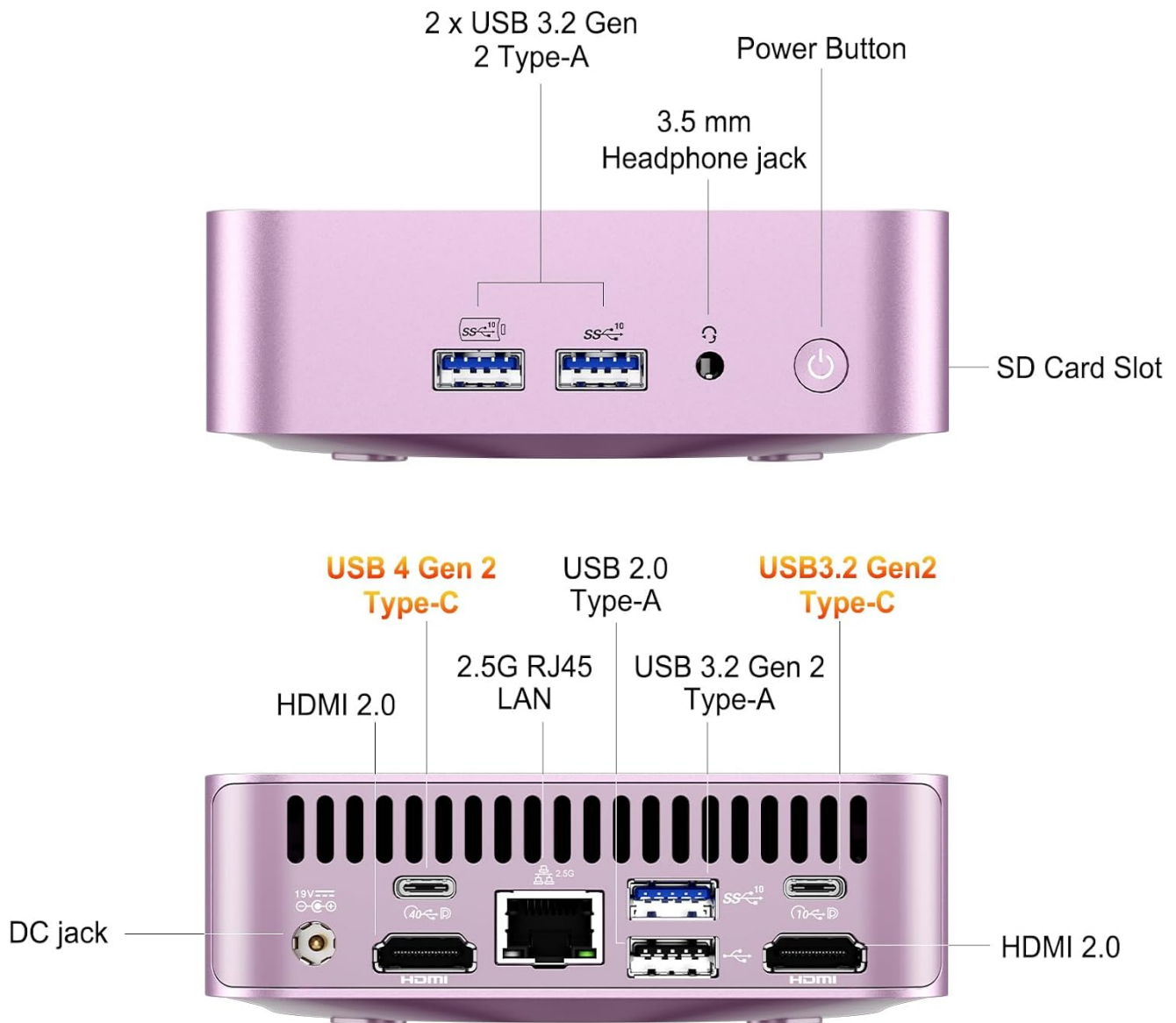


Figure 3: Detailed view of the GEEKOM A6 Mini PC's front and rear ports, including USB, HDMI, LAN, and audio jacks.

3.2 Initial Boot-up and OS Setup

The GEEKOM A6 comes preloaded with Windows 11 Pro. Upon first boot, follow the on-screen instructions to complete the Windows setup process, including language selection, network configuration, and user account creation.

4. OPERATING YOUR MINI PC

4.1 Power On/Off

- **To Power On:** Press the power button located on the front panel.
- **To Power Off:** Click the Start button in Windows, then select Power > Shut down. Alternatively, press and hold the power button for 5 seconds to force a shutdown (not recommended for regular use).

4.2 Storage and Memory Expansion

The GEEKOM A6 comes with 32GB DDR5 RAM and a 1TB PCIe Gen4 NVMe SSD. For additional storage, an M.2 2242 SATA SSD slot is available, supporting up to 1TB. The DDR5 RAM can be upgraded to a maximum of 64GB.

Blazing-Fast Memory and Storage

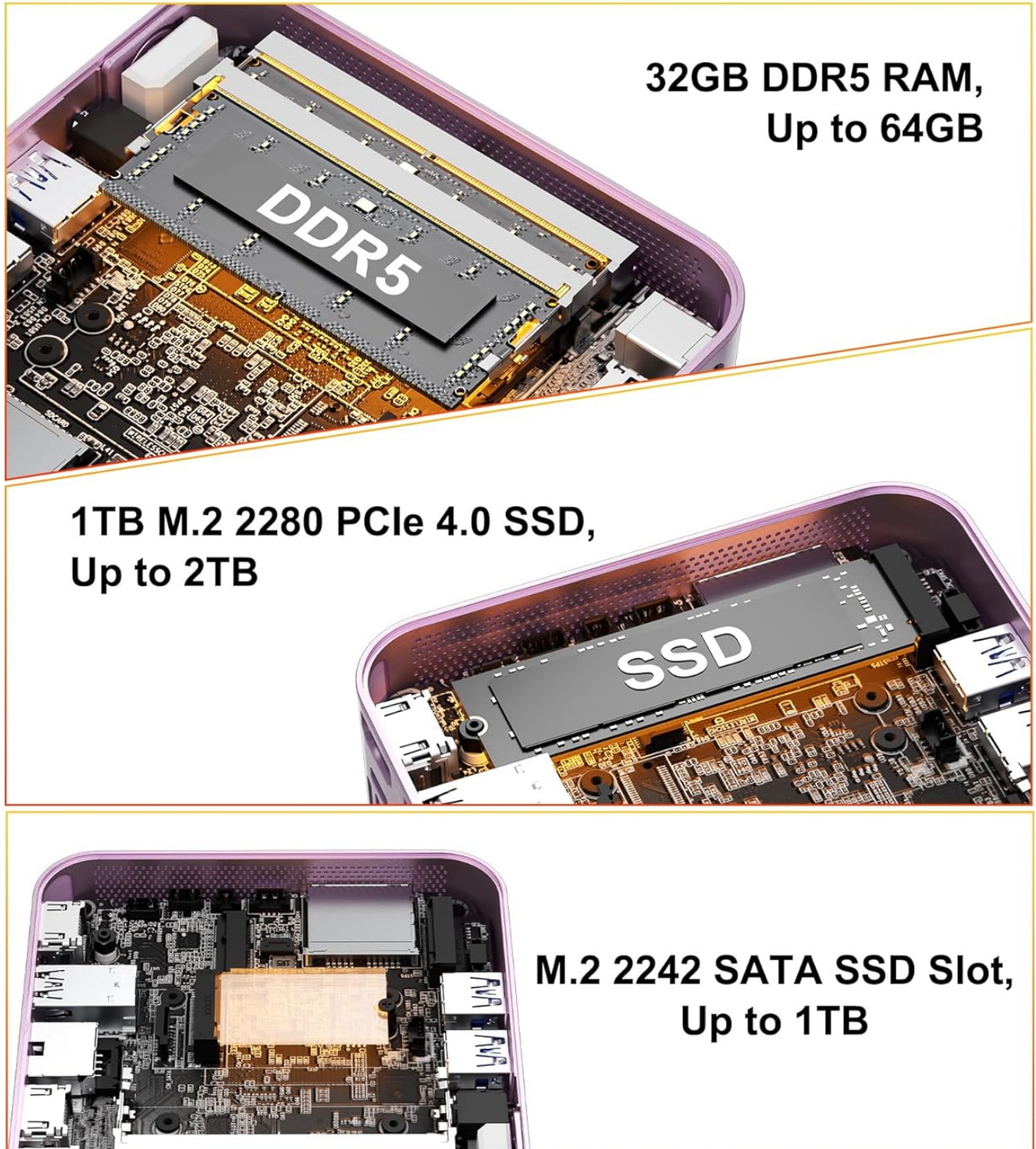


Figure 4: An exploded view of the GEEKOM A6 Mini PC, highlighting the internal components such as the DDR5 RAM and M.2 NVMe SSD, and the additional M.2 2242 SATA SSD slot for expansion.

4.3 Multi-Display Support

Leverage the two USB4 ports and two HDMI ports to connect up to four 4K displays simultaneously, enhancing productivity and entertainment experiences.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure ventilation grilles are free from dust and debris to maintain optimal airflow and cooling performance. Do not use liquid cleaners or aerosols directly on the device.

5.2 Software Updates

Keep your Windows 11 Pro operating system and drivers updated to ensure system stability, security, and optimal performance. Access Windows Update through the Settings menu.

5.3 Cooling System

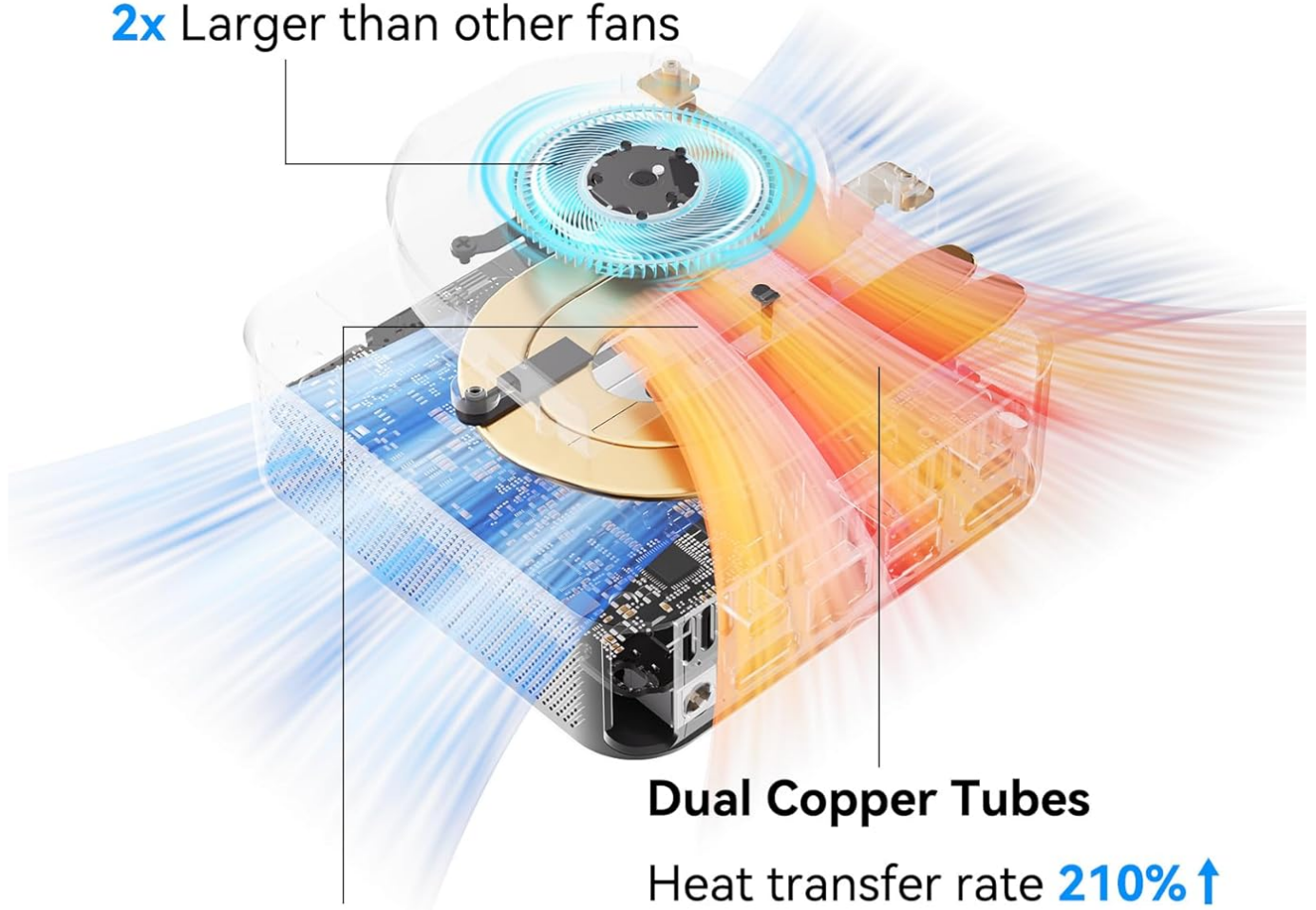
The GEEKOM A6 features the IceBlast 2.0 cooling system. While designed for efficient heat dissipation, ensure the Mini PC is placed in a well-ventilated area and not obstructed by other objects.

Self-developed Efficiency Cooling

IceBlast 2.0: Extra-large fan blades and fully copper heat sinks effectively reduce internal temperatures.

Larger Fan Blades

2x Larger than other fans



Dual Copper Tubes

Heat transfer rate **210%↑**

All-copper Heat Sink

Cooling Efficiency up **52%**

Figure 5: Diagram illustrating the GEEKOM IceBlast 2.0 cooling system, showing the large fan blades, dual copper tubes, and all-copper heat sink designed for efficient thermal management.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Power adapter not connected or faulty outlet.	Ensure power adapter is securely connected and try a different power outlet.
No Display	Incorrect display cable connection or monitor input.	Check HDMI/USB4 cable connections. Ensure monitor is set to the correct input source.
Slow Performance	Too many applications running, outdated drivers, or insufficient ventilation.	Close unnecessary applications. Update drivers and Windows. Ensure proper ventilation.
Fan Noise	High CPU usage or dust accumulation in cooling system.	This is normal during intensive tasks. If persistent, clean ventilation grilles.

7. SPECIFICATIONS

Feature	Detail
Processor	AMD Ryzen 7 6800H (up to 4.7 GHz)
Graphics	AMD Radeon 680M (Integrated)
RAM	32GB DDR5 RAM (4800 MHz, expandable up to 64GB)
Storage	1TB PCIe 4.0 NVMe SSD (expandable up to 2TB) + M.2 2242 SATA SSD slot (up to 1TB)
Operating System	Windows 11 Pro (supports Linux, Ubuntu)
Connectivity	Wi-Fi 6E, Bluetooth 5.2, 2.5Gbps Ethernet
Ports	2x USB4, 2x HDMI 2.0, 3x USB 3.2 Type-A, 1x USB 2.0 Type-A, 1x 3.5mm Headphone Jack, 1x SD Card Slot
Display Support	Up to four 4K displays
Dimensions	8.94 x 6.92 x 5.27 inches
Weight	3.1 pounds

8. WARRANTY AND SUPPORT

The GEEKOM A6 Mini PC comes with a **3-year limited warranty** covering design and workmanship defects. GEEKOM is committed to providing dedicated after-sales support.

After-sales Service 1: Find the Seller on Amazon. Log in to your Amazon buyer's account, find your order, and click "Get help" for assistance with this product.

After-sales Service 2: Send an E-mail to the After-sales Team at atshirley.li@geekom.tw. You will receive a reply within 24 hours.

For more information, visit the [Official GEEKOM Store on Amazon](#).