

Qotom Q575G6-S05

Qotom Mini PC S05 (Q575G6-S05) User Manual

Model: Q575G6-S05

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your Qotom Mini PC S05. This compact and fanless device is designed for various applications, including use as an advanced home office router, firewall, or a general-purpose mini desktop computer. It features an Intel Core i7-7500U processor, 4GB RAM, 64GB SSD, and six 1 Gigabit LAN ports, offering robust performance and connectivity.

2. SAFETY INFORMATION

- Ensure the device is placed on a stable, flat surface to prevent accidental falls.
- Use only the power adapter provided with the unit. Using an incorrect adapter may damage the device and void the warranty.
- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid blocking the ventilation fins on the chassis, even though it is a fanless design, proper airflow aids heat dissipation.
- Disconnect the power supply before performing any maintenance or internal component installation.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Qotom Mini PC S05 Unit
- Power Adapter
- Heatsink (pre-installed)

4. PRODUCT OVERVIEW

The Qotom Mini PC S05 features a robust aluminum alloy chassis with a fanless design for silent operation. Below are the front and rear panel layouts and an internal view of the device.



Figure 4.1: Front and Rear Panels of the Qotom Mini PC S05. The front panel includes the power input, power indicator, and six 1 Gigabit LAN ports. The rear panel features two USB 2.0 ports, two USB 3.0 ports, an HDMI port, a COM port, and the power button.



Figure 4.2: Internal view of the Qotom Mini PC S05, showing the motherboard, mSATA SSD slot, and RAM module. This view illustrates the compact and integrated design of the system components.



Figure 4.3: Detailed view of the Qotom Mini PC S05 motherboard, highlighting the Intel HD Graphics 620, various ports, and the heatsink for passive cooling. This image provides a closer look at the integrated components.

5. SETUP

Follow these steps for the initial setup of your Qotom Mini PC S05:

1. **Connect Power:** Plug the provided power adapter into the DC 12V input port on the front panel of the Mini PC, then connect it to a power outlet.
2. **Connect Peripherals:** Connect your monitor to the HDMI port on the rear panel. Connect a USB keyboard and mouse to the available USB 2.0 or USB 3.0 ports.
3. **Connect Network:** For router or firewall applications, connect your internet source (e.g., modem) to one of the 1 Gigabit LAN ports and your internal network devices to the other LAN ports using Ethernet cables.
4. **Power On:** Press the power button located on the rear panel to turn on the device. The power indicator on the front panel will illuminate.

6. OPERATING INSTRUCTIONS

- **Power On/Off:** Press the power button on the rear panel to turn the device on or off. A short press will initiate a graceful shutdown if the operating system supports it.
- **Operating System:** The unit comes with an inactive version of Windows 10 for testing purposes. It is recommended to reinstall your preferred operating system. The device supports Windows 10/11, various Linux distributions, and

specialized firewall/router operating systems such as pfSense, Untangle, and OPNsense.

- **Storage Expansion:** The device supports a 2.5-inch SATA drive for additional storage capacity. Refer to the internal view (Figure 4.2) for the SATA connection point.
- **BIOS Access:** To access the BIOS/UEFI settings, press the **DEL** key repeatedly during startup.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols directly on the unit.
- **Fanless Design:** The Qotom Mini PC S05 features a fanless design, which contributes to silent operation and reduces dust accumulation. This design relies on the aluminum chassis for heat dissipation.
- **Environmental Conditions:** Operate the device in a well-ventilated area. Avoid placing it in direct sunlight or near heat sources. Maintain an ambient temperature between 0°C and 40°C (32°F and 104°F) and humidity between 10% and 90% (non-condensing).

8. TROUBLESHOOTING

- **No Power:** Ensure the power adapter is securely connected to both the Mini PC and a working power outlet. Check if the power indicator light is on.
- **No Display:** Verify that the monitor is correctly connected to the HDMI port and is powered on. Try a different HDMI cable or monitor if available.
- **Operating System Issues:** If the operating system is not booting or functioning correctly, consider reinstalling it. Ensure you have the correct drivers for your chosen OS.
- **Network Connectivity Problems:** Check all Ethernet cable connections. Verify network settings within your operating system. Ensure your router or modem is functioning correctly.
- **Device Overheating:** Although fanless, ensure the device is not covered and has adequate airflow around its chassis fins.

9. SPECIFICATIONS

Feature	Specification
Processor	Intel Core i7-7500U (2.7 GHz, up to 3.5 GHz, Dual Core, 4M Cache)
RAM	4 GB DDR4 SODIMM
Storage	64 GB SSD (mSATA)
Graphics Coprocessor	Intel HD Graphics 620
LAN Ports	6x Intel i210 1 Gigabit Ethernet
USB Ports	2x USB 2.0, 2x USB 3.0
Video Output	1x HDMI
Serial Port	1x COM
Expansion	2.5" SATA slot

Feature	Specification
Operating System Support	Windows 10/11, Linux, pfSense, Untangle, OPNsense
Dimensions (LxWxH)	7.36 x 4.37 x 1.93 inches (187 x 111 x 49 mm)
Weight	4.4 pounds
Cooling	Fanless
Power Source	DC 12V

10. WARRANTY INFORMATION

Qotom products typically come with a standard manufacturer's warranty. For specific details regarding the warranty period, coverage, and terms, please refer to the warranty card included with your purchase or visit the official Qotom website. Keep your proof of purchase for warranty claims.

11. SUPPORT

For technical assistance, driver downloads, or further inquiries, please visit the official Qotom website or contact Qotom customer support. Contact information can usually be found on the product packaging or the manufacturer's website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question