

Beelink GK55

Beelink GK55 Mini PC User Manual

Model: GK55

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your Beelink GK55 Mini PC. The Beelink GK55 is a compact and powerful mini computer featuring an Intel Celeron J4125 processor, 8GB DDR4 RAM, and a 128GB SSD, designed for various applications including home entertainment, office tasks, and light gaming. It supports dual 4K HDMI displays, WiFi, and dual Gigabit Ethernet for versatile connectivity.

2. PRODUCT OVERVIEW

Familiarize yourself with the components and features of your Beelink GK55 Mini PC.

2.1 Key Features

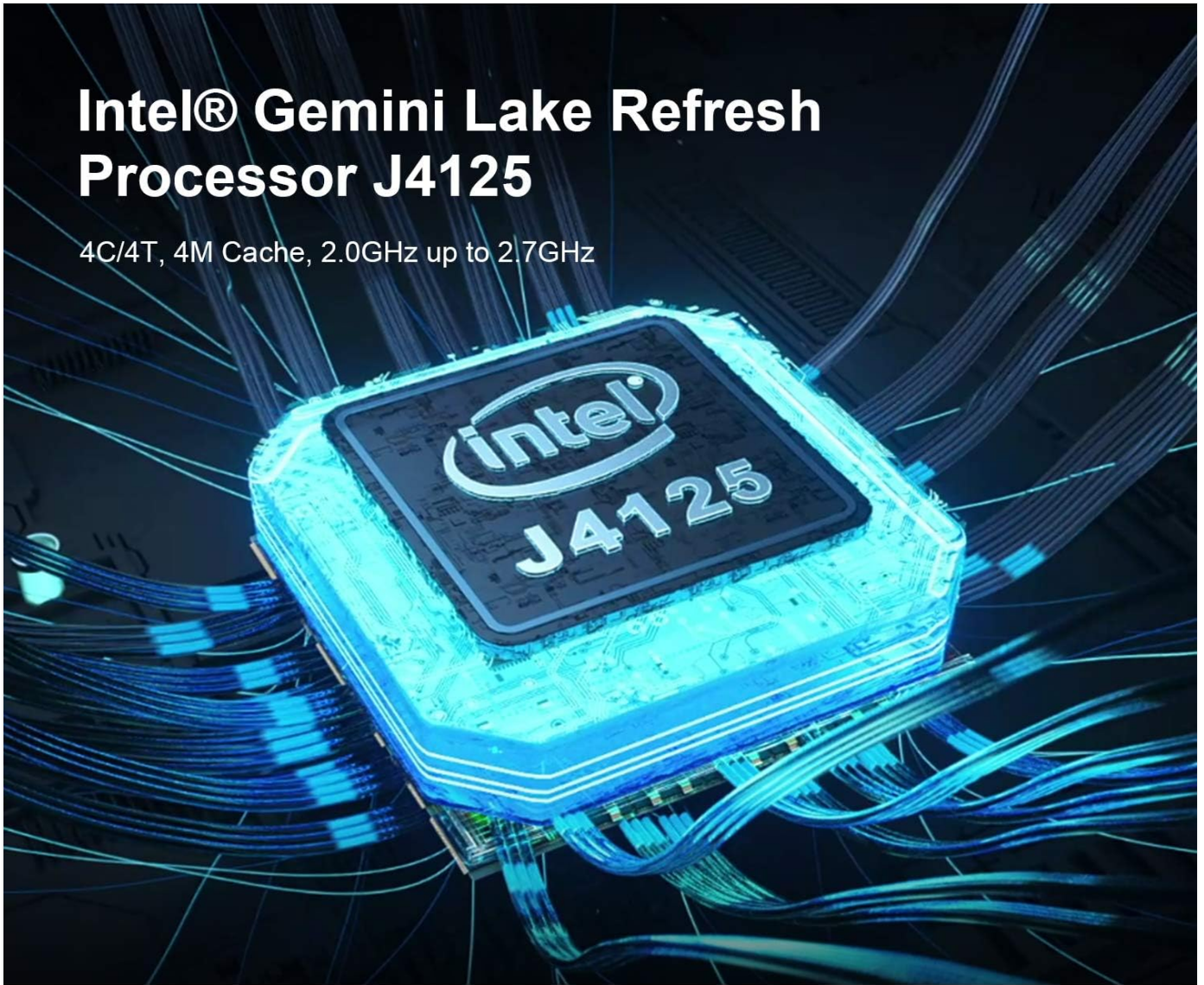
- Intel Celeron J4125 Processor (4C/4T, 4M Cache, up to 2.7GHz)
- 8GB DDR4 RAM
- 128GB M.2 SATA SSD
- Support for Dual 4K HDMI Displays
- Dual Gigabit Ethernet Ports
- Integrated WiFi (2.4G+5.8G, 802.11ax) and Bluetooth
- Compact Mini PC Design
- Pre-installed Windows 10 Pro

2.2 Ports and Connectors

The Beelink GK55 Mini PC offers a variety of ports for connectivity.

Intel® Gemini Lake Refresh Processor J4125

4C/4T, 4M Cache, 2.0GHz up to 2.7GHz



8GB

DDR
Up to 2400 MT/s

4M

Cache
4Cores/4Threads

600

Intel®
UHD Graphics

2.7 GHz

Up to
Burst Frequency

Image: Front and rear view of the Beelink GK55 Mini PC, highlighting its various ports. The front panel includes 2x USB 3.0 ports, 1x USB-C port, a headphone jack, and the power button. The rear panel features 2x USB 2.0 ports, 2x Gigabit Ethernet ports, 2x HDMI ports, and the DC power input.

- **Front Ports:** 2x USB 3.0, 1x USB-C (Data), 1x Headphone Jack (Mic&HP), 1x Power Button
- **Rear Ports:** 2x USB 2.0, 2x Gigabit LAN (1000Mbps), 2x HDMI, 1x DC-in
- **Side Ports:** 1x Micro SD Card Slot

2.3 Internal Components and Cooling



Image: An exploded view of the Beelink GK55 Mini PC, illustrating the internal layout including the motherboard, cooling fan, and heat sink.



Image: Close-up of the Intel J4125 processor, highlighting its specifications: 4 cores/4 threads, 4MB cache, up to 2.7GHz burst frequency, 8GB DDR4, and Intel UHD Graphics 600.

The GK55 features an efficient cooling system with air vents and a heat pipe design to ensure stable performance. The internal layout allows for storage upgrades.



Image: Illustration of the GK55's heat dissipation system, showing air vents for efficient cooling.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Beelink GK55 Mini PC.

1. **Connect to Display:** Connect the Mini PC to a monitor or TV using an HDMI cable. The GK55 supports dual HDMI outputs for multiple displays.
2. **Connect Peripherals:** Plug in your keyboard and mouse to the available USB ports.
3. **Connect Power:** Connect the power adapter to the DC-in port on the Mini PC and then to a power outlet.
4. **Power On:** Press the power button on the front of the Mini PC.
5. **Initial Setup:** Follow the on-screen instructions to complete the Windows 10 Pro initial setup, including language, region, and network configuration.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing, port overview, and quick setup process of the Beelink GK55 Mini PC, including connecting to a display and peripherals. It also shows the pre-installed Windows 10 Pro setup.

4. OPERATING INSTRUCTIONS

The Beelink GK55 Mini PC comes with Windows 10 Pro pre-installed, offering a familiar and user-friendly operating environment.

- **Power On/Off:** Press the power button to turn the device on. To shut down, use the standard Windows shutdown procedure (Start Menu > Power > Shut down).
- **Restart:** To restart the device, use the standard Windows restart procedure (Start Menu > Power > Restart).
- **Sleep Mode:** To put the device into sleep mode, use the standard Windows sleep procedure (Start Menu > Power > Sleep).
- **Network Connectivity:** Connect to your network via the Gigabit Ethernet ports for a stable wired connection or use the integrated WiFi for wireless access.
- **Display Output:** Utilize the dual HDMI ports to connect two monitors for an extended desktop experience, enhancing productivity.



Image: The Beelink GK55 Mini PC connected to two monitors, demonstrating its dual-screen display capability for enhanced productivity.



4K, 60FPS

4K HD resolution, every detail is wonderfully presented

Image: The Beelink GK55 Mini PC connected to a 4K Ultra HD television, showcasing its ability to deliver high-resolution video content at 60 frames per second.

The GK55 is capable of smooth 4K video playback and efficient multitasking with productivity applications. It can also handle casual games.

5. UPGRADE OPTIONS

The Beelink GK55 Mini PC offers options for storage expansion.

- **M.2 SATA SSD:** The device comes with a 128GB M.2 SATA SSD (2280 form factor). This can be upgraded to a larger capacity M.2 SATA SSD if desired.
- **2.5-inch HDD/SSD Expansion:** The GK55 supports an additional 2.5-inch SATA HDD or SSD for expanded storage. An expansion kit (SATA ribbon cable and mounting hardware) is included for this purpose.

M.2 SATA SSD 2280

Expandable 2.5-inch HDD

M.2 SATA SSD
2280

GK55

128G

256G

512G

OPTIONAL CONFIGURATION

Image: Internal view of the Beelink GK55, illustrating the M.2 SATA SSD slot and the provision for an expandable 2.5-inch HDD/SSD.

Your browser does not support the video tag.

Video: This video demonstrates how to access the internal components for storage upgrades, including the M.2 SATA SSD slot and the installation of the SATA ribbon cable for a 2.5-inch HDD/SSD.

To install a 2.5-inch drive, remove the four screws on the bottom cover, attach the SATA ribbon cable to the motherboard connector and the drive, then secure the drive to the bottom cover before reassembling.

6. SPECIFICATIONS

Feature	Description
Brand	Beelink
Model Number	GK55

Feature	Description
CPU Model	Intel Celeron J4125
CPU Speed	2.7 GHz (Burst)
Processor Count	4
RAM Memory Installed Size	8 GB DDR4
Memory Clock Speed	2400 MHz
Memory Storage Capacity	128 GB SSD
Hard Disk Description	SSD (M.2 SATA)
Graphics Card Description	Dedicated (Intel UHD Graphics 600)
Resolution	3840 x 2160 (4K)
Hardware Interface	Bluetooth, Ethernet, HDMI, USB 2.0, USB 3.0, USB-C
Connectivity Technology	Ethernet, HDMI, USB, Wi-Fi
Wireless Compatibility	2.4 GHz Radio Frequency, 5.8 GHz Radio Frequency, 802.11ab (Wi-Fi)
Total USB Ports	4 (2x USB 3.0, 2x USB 2.0) + 1x USB-C
Item Dimensions	4.88 x 4.45 x 1.61 inches
Operating System	Windows 10 Pro

7. MAINTENANCE

To ensure the longevity and optimal performance of your Beelink GK55 Mini PC, regular maintenance is recommended.

- **Keep Clean:** Regularly clean the exterior of the Mini PC with a soft, dry cloth. Ensure air vents are free from dust and obstructions to maintain proper airflow and cooling.
- **Software Updates:** Keep your Windows 10 Pro operating system and drivers updated to the latest versions for security and performance improvements.
- **Avoid Extreme Conditions:** Do not expose the Mini PC to extreme temperatures, humidity, or direct sunlight.
- **Proper Shutdown:** Always shut down the system properly through the operating system to prevent data corruption.

8. TROUBLESHOOTING

If you encounter issues with your Beelink GK55 Mini PC, refer to the following common troubleshooting tips:

- **No Power:**
 - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
 - Verify the power outlet is functional by plugging in another device.
- **No Display:**
 - Check that the HDMI cable is securely connected to both the Mini PC and the monitor/TV.
 - Ensure the monitor/TV is set to the correct input source (HDMI 1, HDMI 2, etc.).

- Try a different HDMI cable or monitor if possible.

- **Slow Performance:**

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Ensure there is sufficient free space on the SSD.
- Run a disk cleanup and defragmentation (for HDD, not typically needed for SSD).

- **Network Connectivity Issues:**

- For wired connections, check the Ethernet cable and router/modem status.
- For Wi-Fi, ensure the Wi-Fi adapter is enabled and you are connected to the correct network with the correct password.
- Restart your router/modem and the Mini PC.

For further assistance, please contact Beelink customer support.

9. WARRANTY AND SUPPORT

Your Beelink GK55 Mini PC comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions.

For technical support, product inquiries, or warranty claims, please visit the official Beelink website or contact their customer service department.

[Visit the Beelink Store on Amazon](#)

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