

[Manuals.plus](#) /

› [Beelink](#) /

› Beelink X55 Mini PC Instruction Manual - Gemini Lake Pentium Silver J5005

Beelink X55

Beelink X55 Mini PC Instruction Manual

Model: X55

1. PRODUCT OVERVIEW

The Beelink X55 Mini PC is a compact and powerful computing solution designed for various applications, from office tasks to 4K media playback. It features a Gemini Lake Pentium Silver J5005 processor, 8GB LPDDR4 RAM, and a 128GB mSATA SSD, offering stable and reliable performance.

Key Features:

- **Processor:** Gemini Lake Pentium Silver J5005 (4 Cores, 4 Threads, 1.5GHz up to 2.8GHz, 4M Cache)
- **Graphics:** HD Graphics 605 with 4K support
- **Memory:** 8GB LPDDR4 RAM
- **Storage:** 128GB mSATA SSD (expandable with 2.5-inch SATA HDD/TF card)
- **Connectivity:** Dual-band WiFi (2.4G + 5.8G), 1000Mbps LAN, Bluetooth 4.0
- **Display:** Dual HDMI 2.0 ports for dual screen display, supporting 4K@60Hz

Button & Ports

Front view:

1. standard USB3.0 port
2. headphone microphone jack
3. power button

Back view:

4. LAN port
5. HDMI port
6. DC in port
7. security keyhole

Side view:

8. TF card slot



Image: Front view of the Beelink X55 Mini PC.

2. SETUP GUIDE

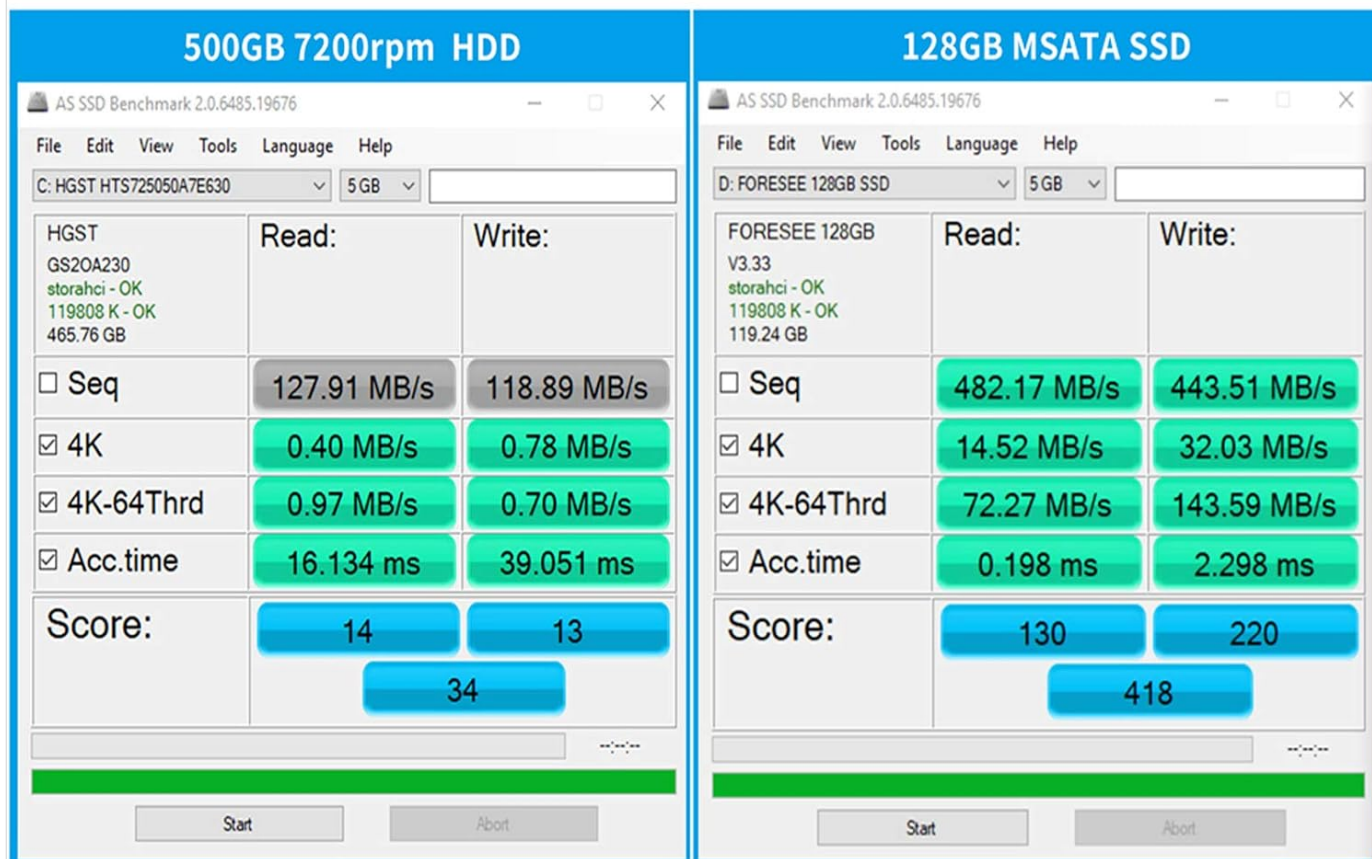
2.1 Package Contents

Please check the package for the following items:

- 1 x Beelink X55 Mini PC
- 1 x Power Adapter
- 2 x HDMI Cables
- 1 x VESA Mount and Screws
- 1 x English User Manual

Gemini X55 MSATA SSD Speed Test

High speed reading and writing, stable performance, more better experience.



Note: Data is different under different using.

Image: Included accessories for the Beelink X55 Mini PC.

2.2 Connecting Peripherals

1. **Connect Display:** Use one or both HDMI cables to connect your monitor(s) to the HDMI ports on the back of the Mini PC.
2. **Connect USB Devices:** Plug in your keyboard, mouse, and any other USB devices into the available USB 3.0 ports.
3. **Connect Power:** Connect the power adapter to the DC IN port on the Mini PC, then plug the adapter into a power outlet.
4. **Optional LAN Connection:** For a wired network connection, connect an Ethernet cable to the RJ45 LAN port.

Powerful storage, free expansion

SATA Port and TF card slot, multiple ways of capacity expansion

Built-in 128GB MSATA SSD, expandable 2.5-inch HDD.
more space to meet different needs.

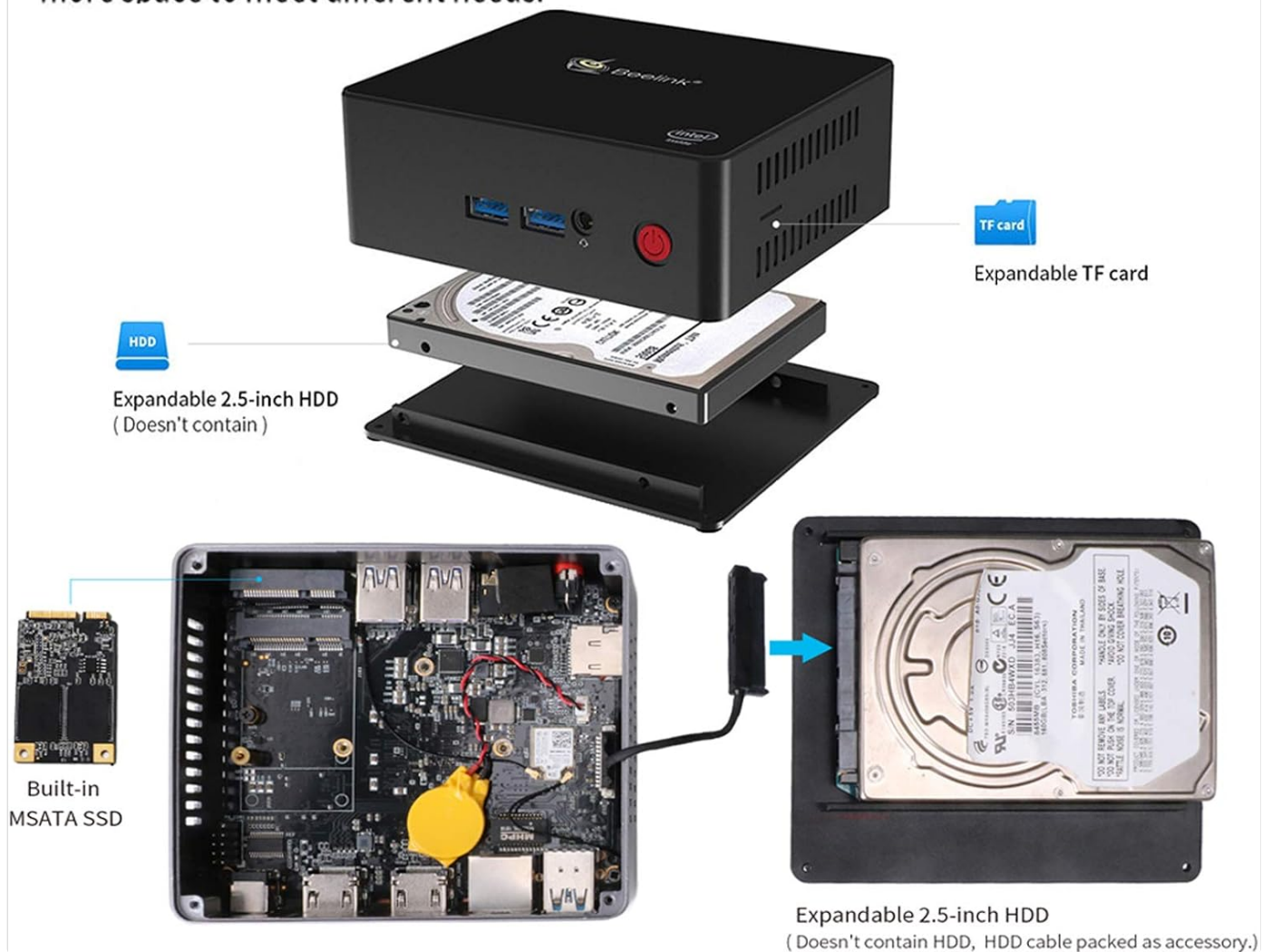


Image: Diagram showing the front, back, and side ports of the Beelink X55 Mini PC.

2.3 First Boot Instructions

For the initial startup, press the power button. The Mini PC will take approximately 30 seconds to initialize. It is crucial to **not connect to any network** (wired or wireless) until the system has successfully completed its first activation. This ensures proper setup of the pre-installed operating system.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

- **Power On:** Press the power button located on the front of the Mini PC.
- **Power Off:** Use the operating system's shutdown function. Alternatively, press and hold the power button for a few seconds to force a shutdown. Ensure the power light is off before disconnecting the power adapter.

3.2 Network Connection

The Beelink X55 supports both wired and wireless network connections.

- **Wi-Fi:** The device supports dual-band Wi-Fi (2.4GHz and 5.8GHz). After the first activation, navigate to your operating system's network settings to connect to your preferred wireless network.
- **LAN:** For a stable and high-speed connection, plug an Ethernet cable into the RJ45 LAN port. The Mini PC supports 1000Mbps Ethernet.

Built-in fan

Energy-saving

Low power consumption and environment protection.

New cooling method

Good heat dissipation design to ensure high performance operation in high temperature.

When CPU usage is 100%, fan runs 3800RPM, this makes a good heat dissipation and low-noise.



CPU temperature

max **10W**

Image: Illustrates the dual WiFi antenna design and 1000Mbps LAN capability.

3.3 Dual Display Setup

The Mini PC is equipped with two HDMI 2.0 ports, allowing for a dual-screen display setup. This can significantly enhance productivity.

1. Connect two monitors to the HDMI ports on the back of the Mini PC using HDMI cables.
2. Once connected, the operating system should automatically detect both displays. You can configure display settings (e.g., extend, duplicate) through your OS display settings.



Image: Depicts the dual screen display capability of the Mini PC.

3.4 Storage Expansion

The Beelink X55 comes with a built-in 128GB mSATA SSD. For additional storage, you can expand it with a 2.5-inch SATA HDD or a TF card.

- **2.5-inch SATA HDD:** The Mini PC includes a bracket for installing a 2.5-inch SATA hard drive. Follow the instructions in the included manual for physical installation.
- **TF Card:** Insert a TF card into the dedicated TF card slot on the side of the Mini PC.

Specification:

CPU: Gemini Lake Pentium Silver Processor J5005,
4 Cores 4 Threads, 1.5 Up to 2.8Ghz, Cache 4M

Graphics: UHD Graphics 605, 2 x HDMI , 4K 60Hz

Memory: 8GB

Storage: 128 SSD

Extensible: SATA 2.5-inch hard disk / TF card

Wireless network: 802.11 b/g/n/ac , 2.4G/5.8G

LAN: 1000Mbps



Beelink Gemini X55

Small and portable, 115*102*43mm in size,
metal shell design with mirror surface on the top.

Image: Shows the internal layout for mSATA SSD and the option to add a 2.5-inch HDD or TF card.

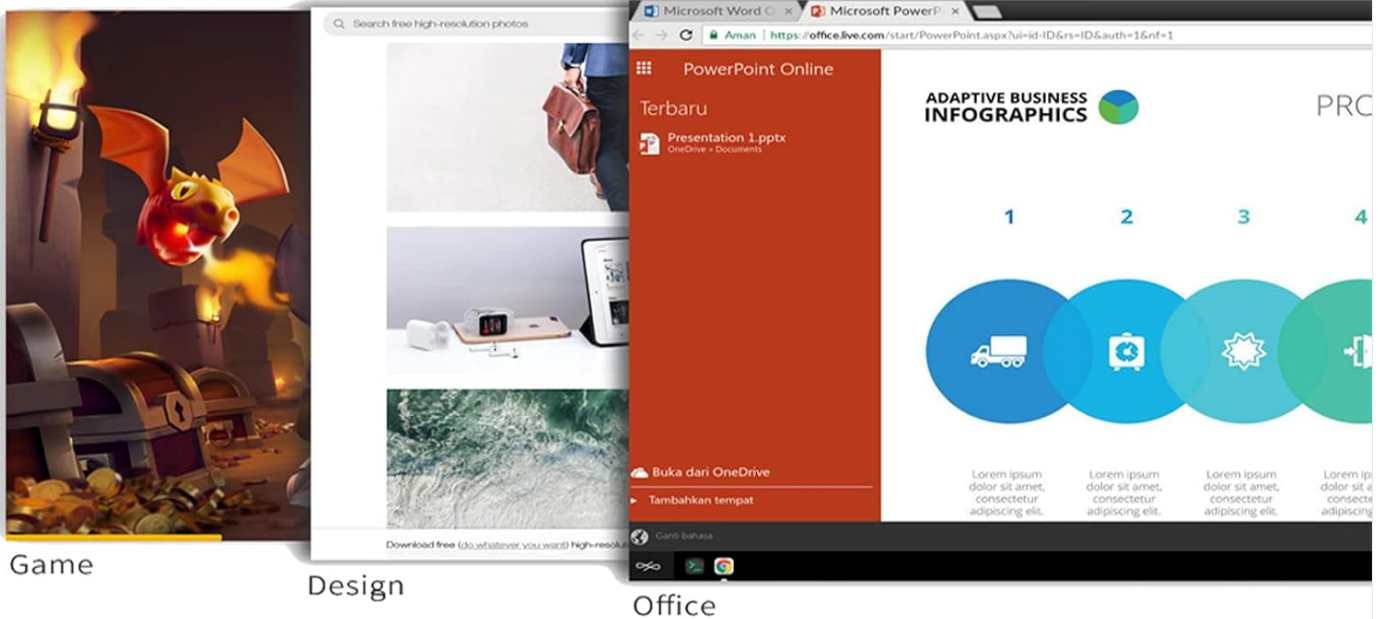
4. MAINTENANCE

4.1 Cooling System

The Mini PC incorporates a built-in fan and an optimized cooling design to ensure high performance even under heavy loads. When CPU usage reaches 100%, the fan operates at approximately 3800 RPM, providing effective heat dissipation with minimal noise.

Work and Play

It can run Office, Design and Game etc applications very smoothly.



Accessories

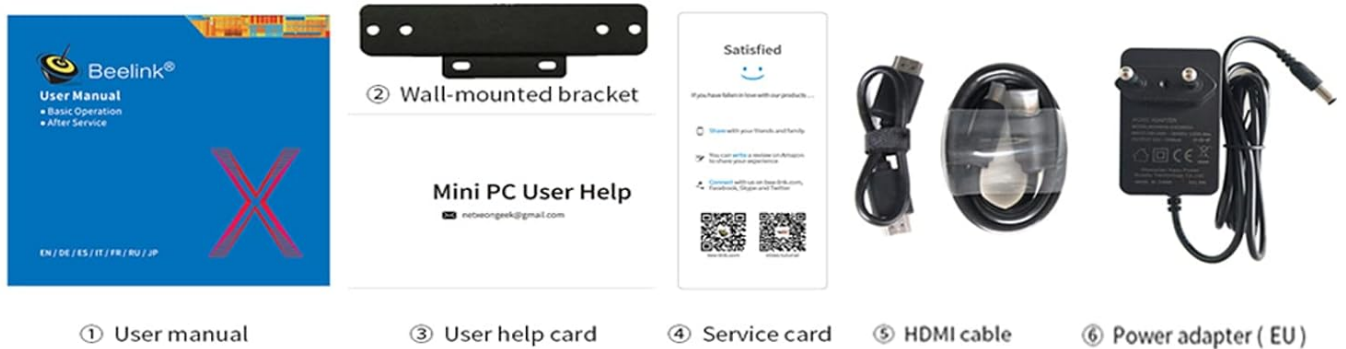


Image: Diagram illustrating the internal cooling mechanism and airflow.

4.2 General Care

- Keep the Mini PC in a well-ventilated area to prevent overheating.
- Avoid blocking the ventilation holes on the device.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners.
- Protect the device from dust, moisture, and extreme temperatures.

5. TROUBLESHOOTING

- **System Loss:** If you encounter issues leading to system loss, please contact Beelink support for assistance in obtaining the necessary system files and guidance for reinstallation.
- **Wake-on-LAN (WOL) / Auto Power On:** For instructions on how to configure WOL or Auto Power On functions, contact Beelink support for a detailed guide.
- **First Activation Network Issue:** If you experience problems during the initial setup, remember to keep the Mini PC offline. Do not connect to any network until the system has successfully completed its first activation.
- **No Display Output:** Ensure all HDMI cables are securely connected to both the Mini PC and the monitor(s). Test with different HDMI cables or monitors if the issue persists.
- **Slow Performance:** Check for background applications consuming resources. Ensure adequate ventilation. Consider

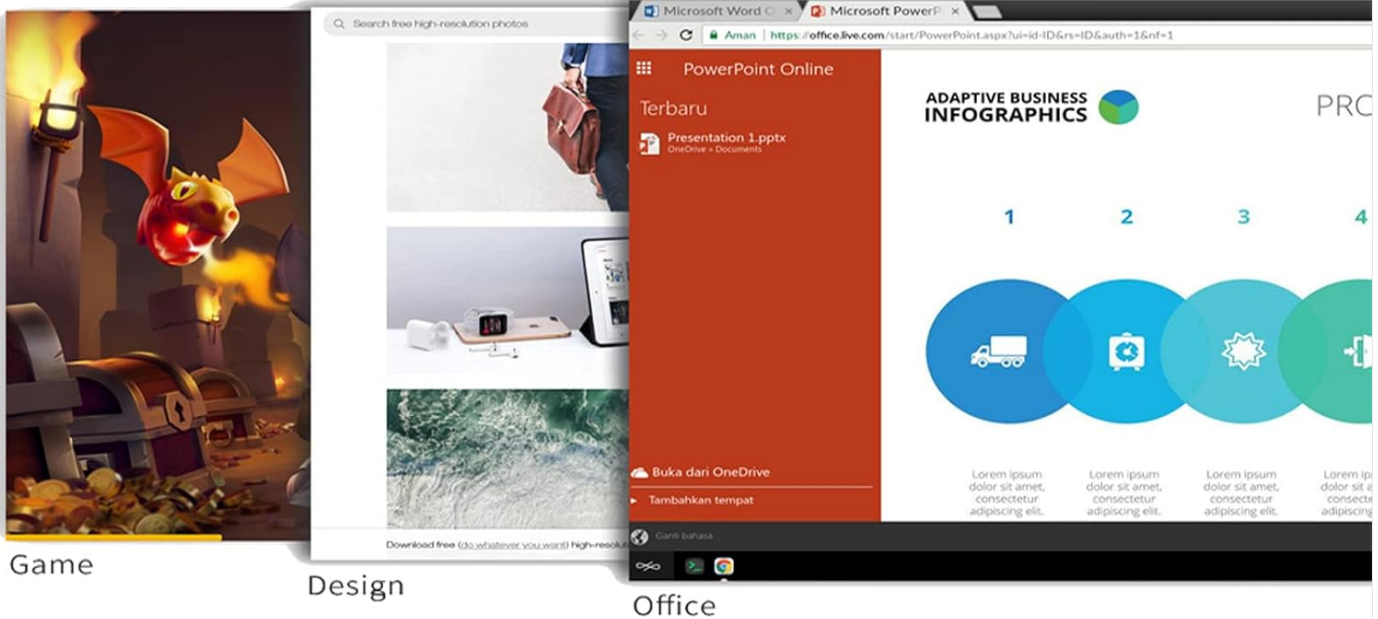
upgrading storage to a faster SSD if not already using one (though this model comes with an SSD).

6. SPECIFICATIONS

Feature	Specification
Processor	Intel Gemini Lake Pentium Silver J5005 (Quad Core, 1.5GHz - 2.8GHz)
Graphics	Intel HD Graphics 605 (up to 800MHz), 4K support
RAM	8GB LPDDR4
Internal Storage	128GB mSATA SSD
Expandable Storage	2.5-inch SATA HDD, TF Card
Operating System	Pre-installed 64-bit System (e.g., Windows 10)
Wi-Fi	802.11 b/g/n/ac (2.4G + 5.8G)
LAN	1000Mbps Ethernet
Bluetooth	Bluetooth 4.0
Ports	2x HDMI 2.0, 4x USB 3.0, 1x RJ45, 1x TF Card Slot, 1x Headphone/Microphone Jack, 1x DC IN
Dimensions	12.4 x 13 x 4.1 cm (4.88 x 5.12 x 1.61 inches)
Weight	0.31 kg (0.68 lbs)
Power Input	12V / 2A DC

Work and Play

It can run Office, Design and Game etc applications very smoothly.



Accessories

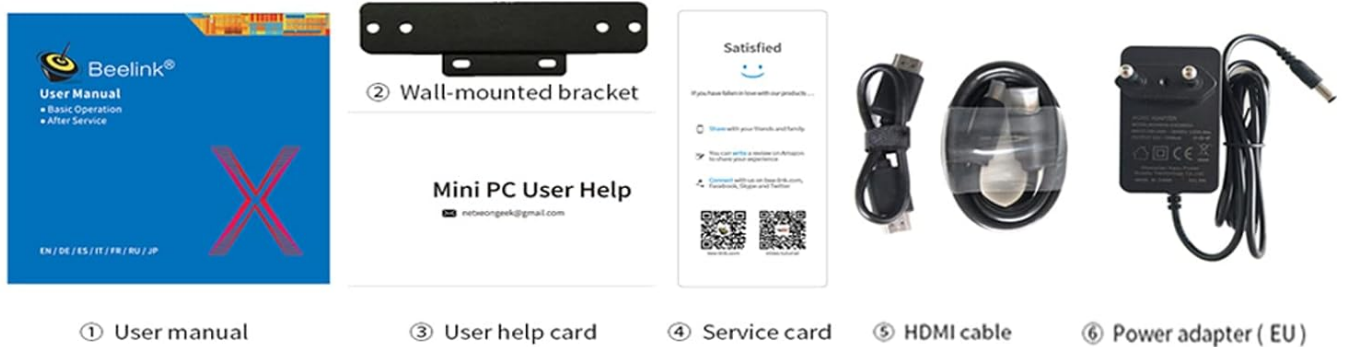


Image: Summary of Beelink X55 Mini PC specifications.

7. WARRANTY AND SUPPORT

For any technical assistance, product inquiries, or support needs, please contact Beelink customer service. They can provide:

- System files and reinstallation guides if you lose your operating system.
- Detailed guides for configuring advanced features like Wake-on-LAN (WOL) and Auto Power On.
- Assistance regarding price differences if a lower value is found within 30 days of purchase.

Please refer to the official Beelink website or your purchase platform for specific warranty terms and contact information.