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› **Miuzei Transparent Acrylic Case for Raspberry Pi 5 with Active Cooler and 27W USB-C Power Supply Instruction Manual**

Miuzei CN-D-YA-MC70

Miuzei Transparent Acrylic Case for Raspberry Pi 5 with Active Cooler and 27W USB-C Power Supply Instruction Manual

1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the assembly, operation, and maintenance of your Miuzei Transparent Acrylic Case for Raspberry Pi 5. This kit includes a transparent acrylic enclosure, an official active cooler, and a 27W USB-C power supply, designed to protect your Raspberry Pi 5 board while ensuring optimal cooling and stable power delivery.

2. PACKAGE CONTENTS

Please verify that all the following items are included in your package:

- 1 x Miuzei Transparent Acrylic Case for Raspberry Pi 5
- 1 x Raspberry Pi 5 Official Active Cooler
- 1 x 27W USB-C Power Adapter (5.1V/5A)
- Assembly hardware (screws, standoffs)
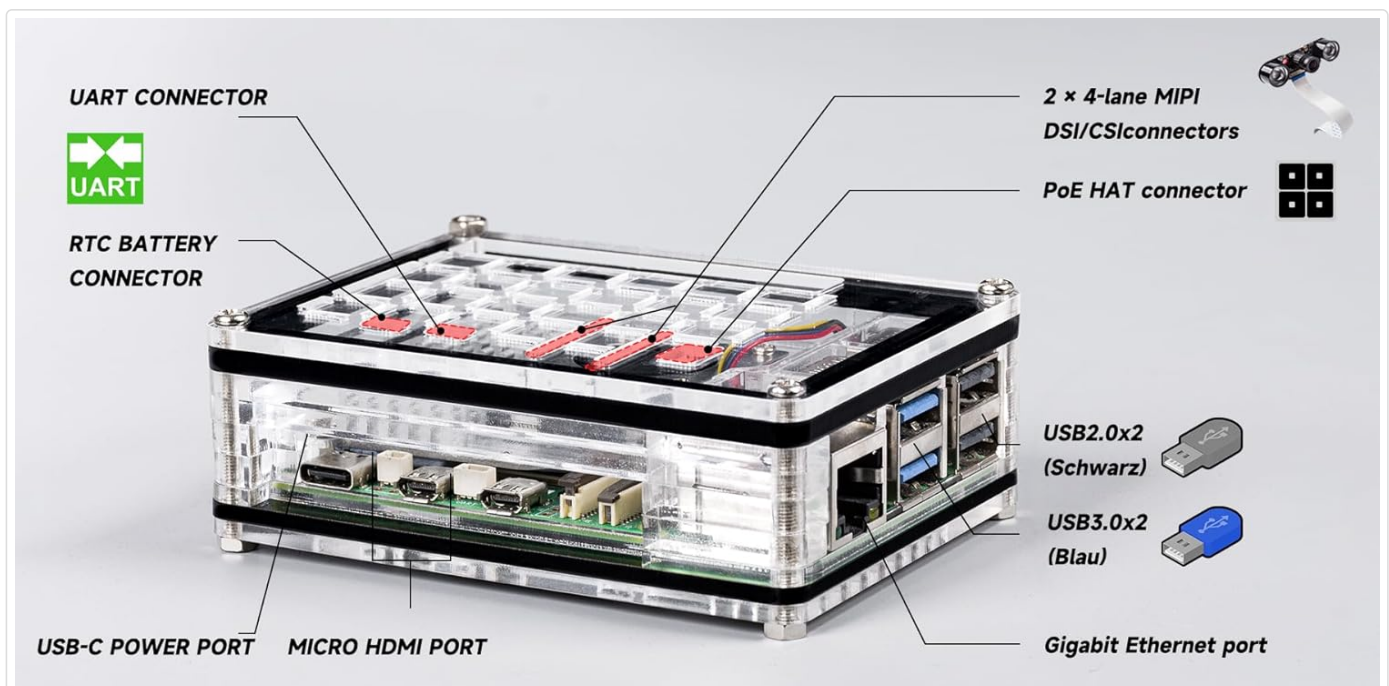
3. SETUP INSTRUCTIONS

Follow these steps to assemble your Raspberry Pi 5 with the Miuzei case and active cooler.

3.1. Prepare the Case Components

The acrylic case may come with protective films on both sides of each panel. Carefully peel off these films before assembly. Separate the acrylic layers and identify the top, bottom, and side panels.

3.2. Install the Raspberry Pi 5 Board

Place your Raspberry Pi 5 board onto the bottom acrylic panel, aligning the mounting holes. Secure it using the provided screws and standoffs. Ensure the board is seated correctly and all ports align with the case cutouts.

Image: The transparent acrylic case showing precise cutouts for all Raspberry Pi 5 ports, including USB 2.0, USB 3.0, USB-C power, Micro HDMI, Ethernet, GPIO, and MIPI DSI/CSI connectors.

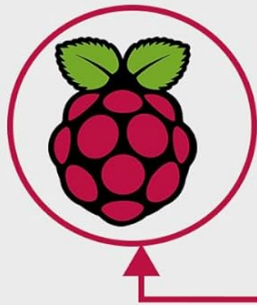### 3.3. Install the Official Active Cooler

The official active cooler is designed for efficient heat dissipation. Ensure the thermal pads are correctly positioned on the cooler's heatsink. Gently press the cooler onto the Raspberry Pi 5's CPU, aligning the mounting pins. Connect the cooler's fan cable to the dedicated fan header on the Raspberry Pi 5 board. This allows the operating system to control the fan speed based on CPU temperature.

Official Original Active Cooler

High Speed **Keep Quiet** **Keep Stable**

Druckfeder zur Befestigung

Bereits befestigter Kühlkörper

Offizielle Version, fälschungssicher

Image: Detailed view of the Raspberry Pi 5 Official Active Cooler, highlighting its heatsink, fan, and spring-loaded mounting pins. The image also shows the pre-applied thermal pads.
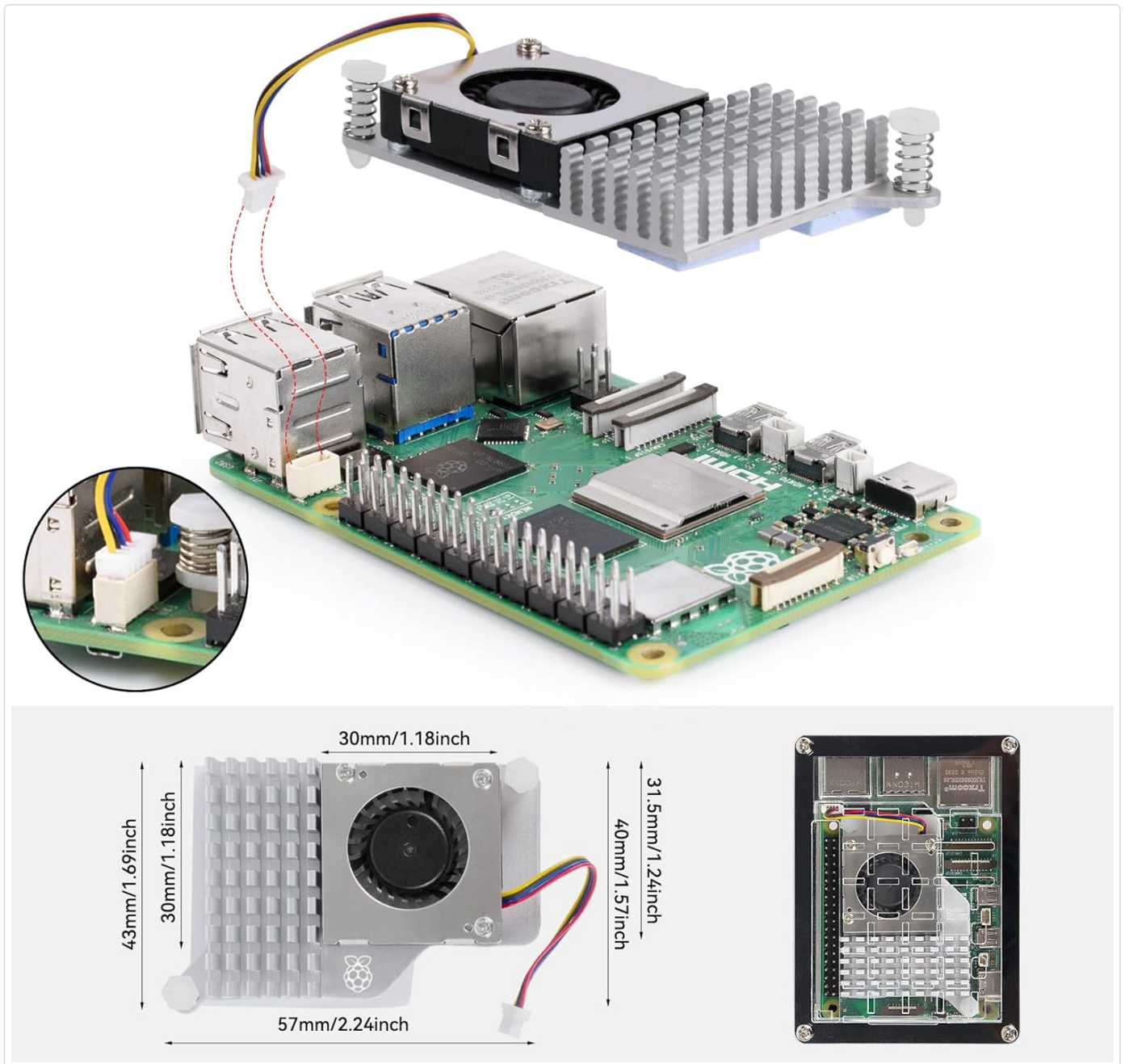
Image: A close-up view demonstrating the active cooler mounted on a Raspberry Pi 5 board, with dimensions provided for the cooler unit.

3.4. Assemble the Case

Once the Raspberry Pi 5 and active cooler are installed on the base, carefully stack the remaining acrylic layers around the board. Secure the top panel using the remaining screws. Ensure all layers fit snugly and the case provides robust protection.
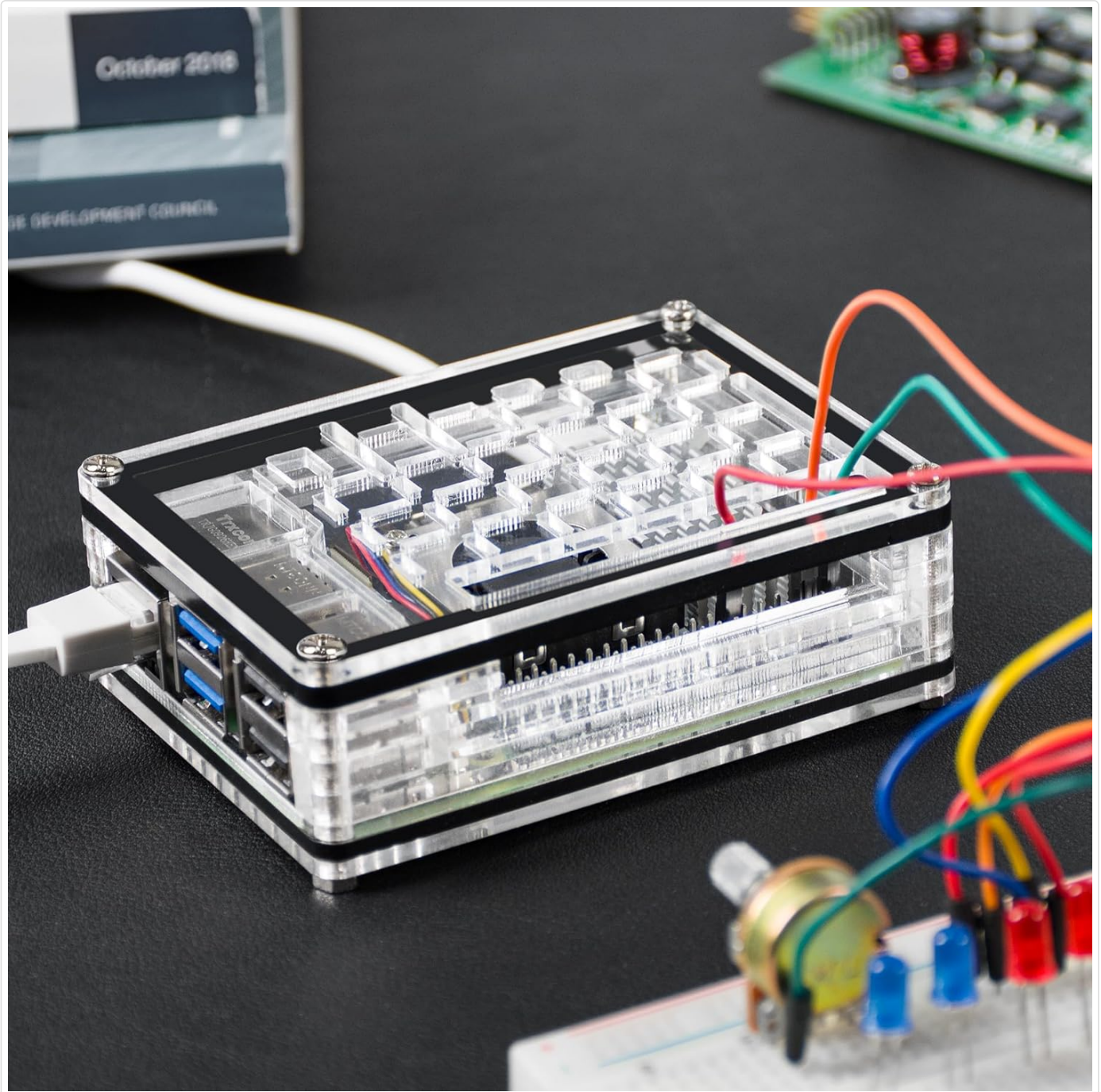
Image: The fully assembled Miuzei transparent acrylic case housing a Raspberry Pi 5, with various external wires connected to its ports, demonstrating accessibility.

3.5. Connect the 27W USB-C Power Supply

Connect the provided 27W USB-C power adapter to the USB-C power port on your Raspberry Pi 5. This power supply is specifically designed to meet the power requirements of the Raspberry Pi 5, ensuring stable operation.

PRODUCT PARAMETER

Model Name	:	27W 5A 5,1V Raspberry Charger
Weight	:	100g+5g
Total length	:	130CM/51in
Rated Power	:	27W
Colour	:	Black
Plug	:	EU plug
Adapter Size	:	7cm x 3cm x 4,3cm
Input	:	**AC110-240V 50/60Hz 0.6A**
Output	:	**DC5,1V=5A 9V=3A** **12V=2.25A 15V=1.8A**

3CM   4.3CM

3.7CM

7CM

AC/DC ADAPTER
MODEL:HT-PD27W-EU
INPUT:100-240V~50/60Hz 0.6A Max
OUTPUT:5.1V=5.0A,9.0V=3.0A,
12.0V=2.25A,15.0V=1.8A 27.0W Max

Prolinx GmbH
Berkmstr.56, 40239 Duesseldorf
Germany
MADE IN CHINA   D/C:YYXX

Total length:
1.3m/51in

Total length:1.3m/51in

CERTIFICATION

ATTESTATION OF...

ATTESTATION OF...

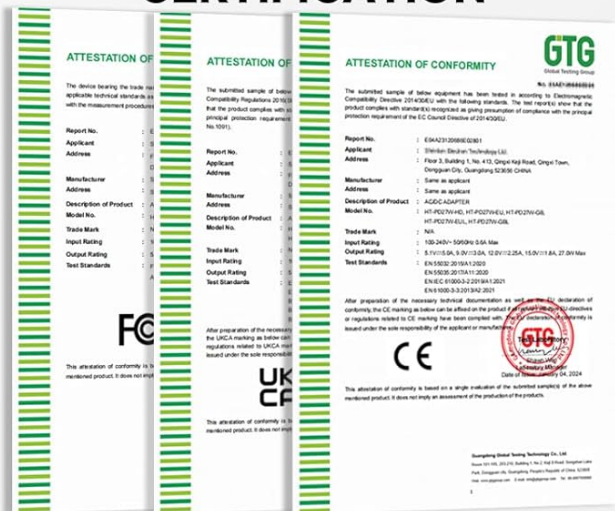ATTESTATION OF CONFORMITY

GTG
Global Testing Group

Image: A detailed view of the 27W USB-C power adapter, showing its physical dimensions, input/output specifications (AC110-240V, DC 5.1V/5A), and various certifications.

3.6. Additional Connections

The case provides access to all Raspberry Pi 5 ports, including GPIO, MIPI DSI/CSI for cameras and displays, and an RTC battery connector. You can connect peripherals as needed.
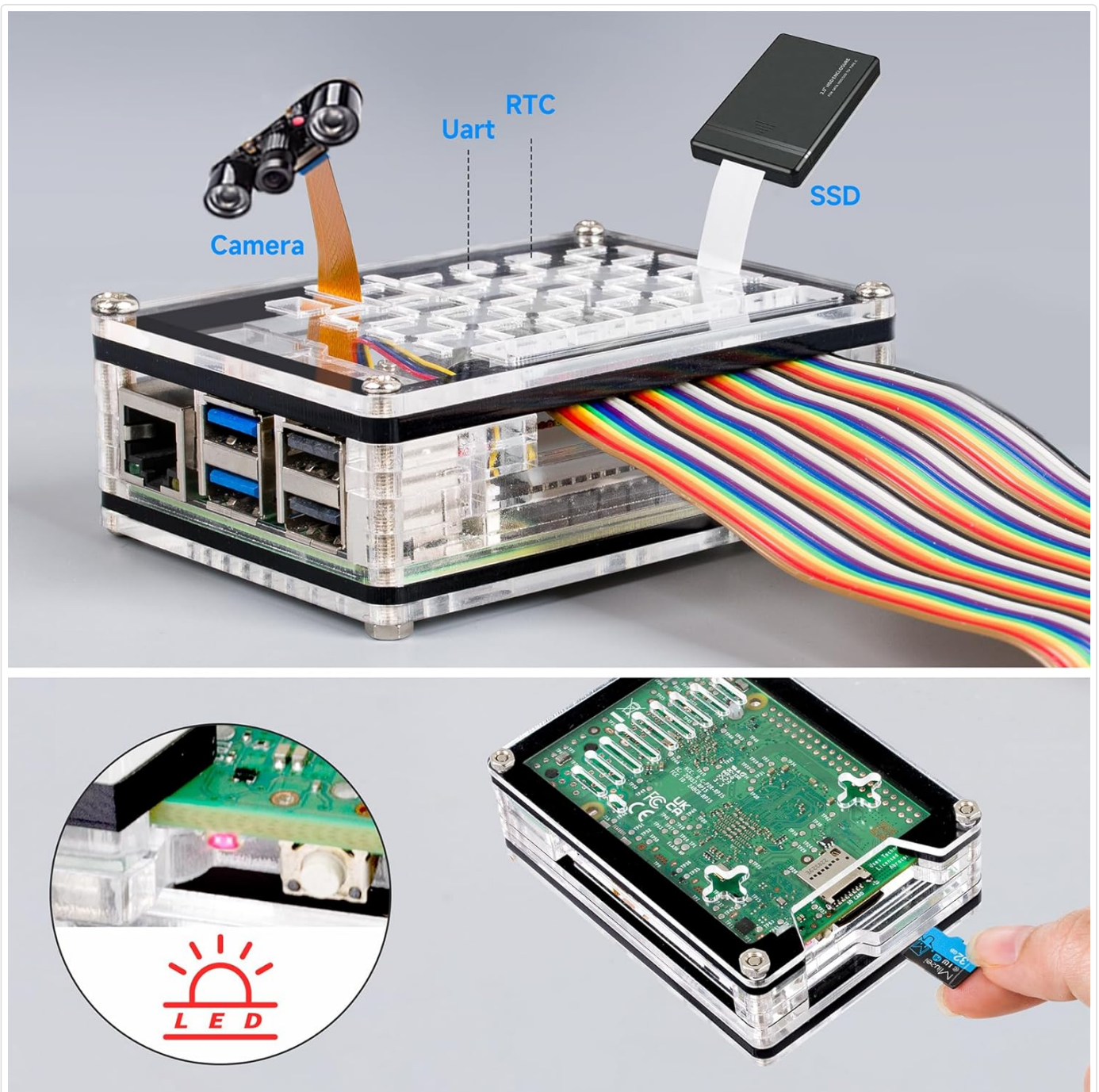
Image: The assembled case demonstrating connections to the GPIO port, a camera module, and an SSD, highlighting the accessibility of these interfaces. An LED indicator is also shown.

4. OPERATING INSTRUCTIONS

4.1. Powering On/Off

Once the power supply is connected, the Raspberry Pi 5 will typically power on automatically. To safely shut down the system, use the operating system's shutdown function. The Raspberry Pi 5 also features a dedicated power button accessible through the case.

4.2. Active Cooler Operation

The active cooler's fan is controlled by the Raspberry Pi 5's operating system. It will automatically adjust its speed to maintain optimal CPU temperatures, ensuring efficient cooling during various workloads.

5. MAINTENANCE

5.1. Cleaning the Case

To clean the transparent acrylic case, use a soft, damp cloth. Avoid abrasive cleaners or solvents, as these can scratch or damage the acrylic. For stubborn dust, a soft brush or compressed air can be used.

5.2. Fan Inspection

Periodically inspect the active cooler's fan for dust accumulation. Excessive dust can impede airflow and reduce cooling efficiency. If necessary, gently clean the fan blades with a soft brush or compressed air while the Raspberry Pi is powered off.

6. TROUBLESHOOTING

6.1. Overheating Issues

If your Raspberry Pi 5 experiences high temperatures, ensure the active cooler is properly installed and its fan cable is securely connected to the board. Verify that there is adequate airflow around the case and that the fan is not obstructed by dust.
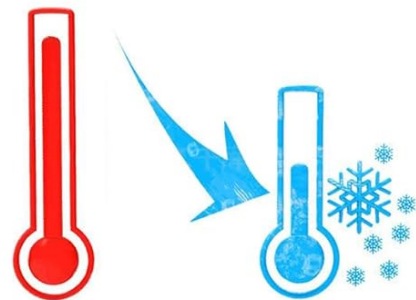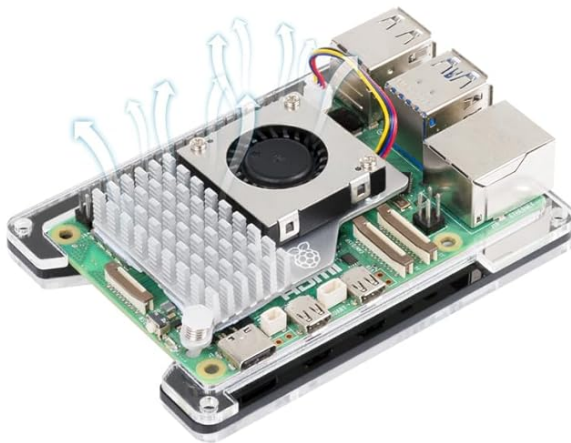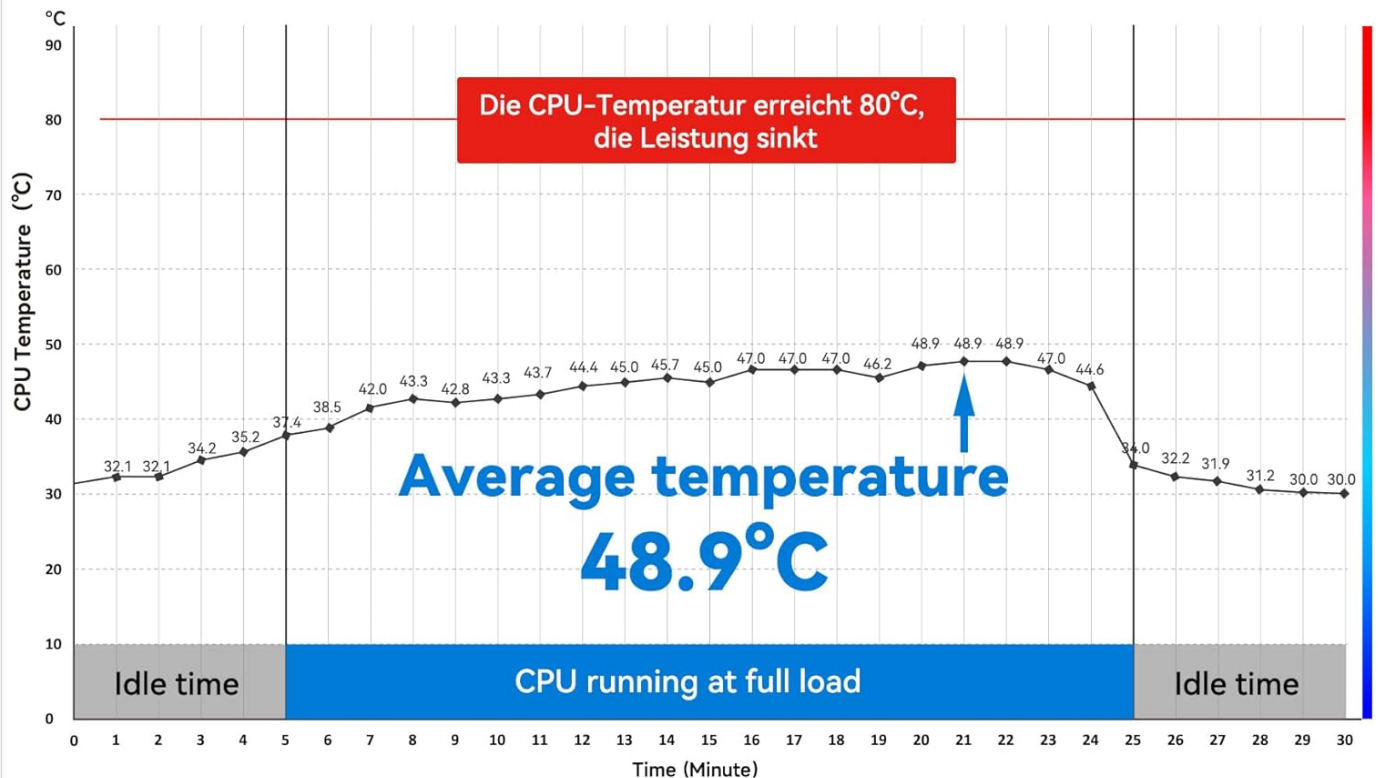
Image: A graph illustrating CPU temperature performance over 30 minutes, showing an average temperature of 48.9°C under full load, demonstrating effective cooling.

6.2. Power Supply Problems

If the Raspberry Pi 5 does not power on, check that the 27W USB-C power adapter is correctly plugged into both the wall outlet and the Raspberry Pi 5's power port. Ensure the power outlet is functional.

6.3. Port Access Issues

If you encounter difficulty accessing any ports, re-check the case assembly to ensure all acrylic layers are correctly aligned and secured. Incorrect assembly can obstruct port access.

7. SPECIFICATIONS

Brand	Miuzei

Model Number	CN-D-YA-MC70
Color	Transparent
Material	Acrylic
Cooling Method	Air (with Active Cooler)
Compatible Devices	Raspberry Pi 5 (4GB, 8GB)
Power Supply Output	5.1V / 5A (27W)
Case Dimensions (L x W x H)	9.5 cm x 7 cm x 3 cm

8. Warranty Information

Specific warranty information for this product is not provided in the available product details. Please refer to the retailer's return policy or contact Miuzei directly for warranty inquiries.

9. Support

For technical assistance or further questions regarding your Miuzei Raspberry Pi 5 case, active cooler, or power supply, please visit the official Miuzei website or contact your point of purchase for support.