LattePanda LattePanda 3 Delta 864

LattePanda 3 Delta 864-Pocket-Sized Windows/Linux Single Board Computer with Titan Case User Manual

Brand: LattePanda

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your LattePanda 3 Delta 864 Single Board Computer kit, which includes the LattePanda 3 Delta 864 board and the Titan Case. The LattePanda 3 Delta 864 is a powerful, pocket-sized single board computer designed to run both Windows and Linux operating systems, making it suitable for a wide range of applications from embedded systems to desktop computing.

Figure 1.1: Assembled LattePanda 3 Delta 864 with Titan Case.

This image displays the LattePanda 3 Delta 864 single board computer fully enclosed within its black Titan Case, showcasing its compact and robust design. The case features a prominent central fan for cooling and various ports visible on the sides.

2. SAFETY INFORMATION

- Always use the recommended power adapter to prevent damage to the device.

- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.

- Do not open the Titan Case or attempt to repair the device yourself, as this may void the warranty and cause damage.

- Keep the device away from liquids and sources of strong electromagnetic interference.

- Ensure proper ventilation around the device, especially when operating under heavy load, to prevent overheating.

3. PACKAGE CONTENTS

Upon opening your LattePanda 3 Delta 864 kit, please verify that all the following components are present:

- 1x LattePanda 3 Delta 864 Single Board Computer

- 1x Titan Case (consisting of multiple parts for assembly)

- Necessary screws and thermal pads for assembly (if applicable)

Figure 3.1: LattePanda 3 Delta 864 board and Titan Case components.

This image shows the LattePanda 3 Delta 864 single board computer and the main body of the Titan Case laid out separately. The board is visible with its integrated fan and various ports, while the case highlights its cooling design.

4. SETUP

4.1. Titan Case Assembly

The Titan Case is designed to protect your LattePanda 3 Delta 864 and provide efficient cooling. Follow these steps to assemble the case:

1. Carefully unbox all components of the Titan Case and the LattePanda board.

2. Identify the main body of the Titan Case and the top/bottom covers.

3. Align the LattePanda 3 Delta 864 board with the mounting points inside the main body of the Titan Case. Ensure all ports align with the case cutouts.

4. Secure the board using the provided screws. Do not overtighten.

5. Attach the top and bottom covers of the Titan Case, ensuring they snap or screw into place securely.

6. Verify that all ports are accessible and the cooling fan is unobstructed.

Figure 4.1: Disassembled LattePanda 3 Delta 864 and Titan Case components for assembly.

This image illustrates the LattePanda 3 Delta 864 board and the individual components of the Titan Case laid out, showing how they fit together during assembly. The main case body, side panels, and the board itself are clearly visible, indicating the modular design for enclosure.

4.2. Initial Connections

Before powering on your LattePanda, make the necessary connections:

- **Power:** Connect the appropriate power adapter to the DC-in port.

- **Display:** Connect a monitor via the HDMI or DisplayPort output.

- **Peripherals:** Connect your keyboard, mouse, and any other USB devices to the available USB 3.0 ports.

- **Network (Optional):** For wired internet, connect an Ethernet cable to the RJ45 port.

4.3. First Boot

Once all connections are made:

1. Ensure your monitor is powered on and set to the correct input.

2. Plug in the power adapter to a wall outlet. The LattePanda should automatically power on or you may need to press the power button.

3. Follow the on-screen instructions for your pre-installed operating system (Windows or Linux) to complete the initial setup.

5. OPERATING

5.1. Operating System

The LattePanda 3 Delta 864 supports both Windows and Linux operating systems. The pre-installed OS will guide you through its initial configuration. For installing a different OS, refer to the official LattePanda documentation available on their website.

5.2. Connectivity

- **Wi-Fi:** The device includes integrated Wi-Fi. Access network settings within your operating system to connect to wireless networks.

- **Bluetooth:** Bluetooth connectivity is available for pairing wireless peripherals such as keyboards, mice, and headphones. Manage Bluetooth devices through your OS settings.

- **USB Ports:** Utilize the multiple USB 3.0 ports for connecting various peripherals and external storage devices.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Titan Case. For the fan, use compressed air to gently remove dust buildup. Ensure the device is powered off and unplugged before cleaning.

- **Software Updates:** Regularly update your operating system and drivers to ensure optimal performance and security. Refer to your OS documentation for update procedures.

- **Ventilation:** Ensure the fan and ventilation openings on the Titan Case are not blocked to allow for proper airflow and prevent overheating.

7. TROUBLESHOOTING

If you encounter issues with your LattePanda 3 Delta 864, try the following troubleshooting steps:

- **No Power/No Boot:**

  - Verify the power adapter is securely connected to both the device and a working power outlet.
  - Ensure the power button (if applicable) has been pressed.
  - Try a different power outlet.

- **No Display Output:**

  - Check that the display cable (HDMI/DisplayPort) is securely connected to both the LattePanda and the monitor.

- Ensure the monitor is powered on and set to the correct input source.
- Try a different display cable or monitor if available.

- **Peripheral Not Responding:**

  - Ensure the peripheral is properly connected to a USB port.
  - Try connecting the peripheral to a different USB port.
  - Check if the peripheral requires specific drivers and install them if necessary.

- **Overheating:**

  - Ensure the Titan Case's fan and ventilation openings are not obstructed.
  - Operate the device in a well-ventilated area.
  - Reduce heavy workload if possible.

If these steps do not resolve your issue, please contact customer support.

8. SPECIFICATIONS

The following table outlines the key technical specifications for the LattePanda 3 Delta 864:

Feature	Specification
Processor	3.2 GHz
Hard Drive Type	SSD
Graphics Card Description	Integrated
Wireless Type	Bluetooth
Number of USB 3.0 Ports	4
Operating System	Linux, Windows
Color	Black
Material (Case)	Metal
Cooling Method	Heatsink (integrated fan in case)
Model Name	LattePanda 3 Delta 864

9. WARRANTY INFORMATION

Warranty terms and conditions for the LattePanda 3 Delta 864 are provided by the manufacturer, LattePanda. Please refer to the official LattePanda website or the documentation included with your purchase for detailed warranty information, including coverage period and claim procedures. Standard return policies may apply as per the retailer's terms.
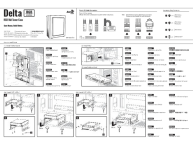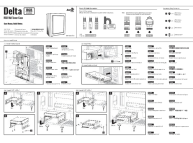
10. CUSTOMER SUPPORT

For technical assistance, product inquiries, or further support, please visit the official LattePanda website or contact their customer service department. You can often find FAQs, forums, and contact details on their support pages.

For general inquiries related to your purchase, you may also refer to the seller's support channels on Amazon: LattePanda Store on Amazon.

Related Documents - **LattePanda 3 Delta 864**

	LattePanda 3 Delta User Manual User manual for the LattePanda 3 Delta, a compact and powerful single-board computer. This guide covers specifications, setup, usage, safety instructions, and troubleshooting for the LattePanda 3 Delta.
	LattePanda: Comprehensive User Guide for Single-Board Computer Get started with the LattePanda single-board computer. This guide covers setup, hardware, software, VNC, project examples (OctoPrint, OpenCV, Node-RED), and troubleshooting for makers and developers.
	Delta RGB Mid Tower Case Installation Guide - Aerocool Comprehensive installation guide for the Delta RGB Mid Tower PC Case by Aerocool. Learn how to install your motherboard, PSU, drives, fans, and more.
	Aerocool Delta RGB LIGHTING RGB Mid Tower Case Installation Guide Detailed installation guide for the Aerocool Delta RGB LIGHTING RGB Mid Tower Case, covering motherboard, PSU, storage drives, fans, and radiator setup. Includes accessory contents and I/O panel information.