TECLAST N10

TECLAST N10 Mini PC User Manual

Model: N10

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1. INTRODUCTION

The TECLAST N10 Mini PC is a compact and lightweight computing device designed for various applications, including office work, home entertainment, and monitoring. It features an Intel Celeron N4000 processor, 6GB DDR4 RAM, and 128GB of internal storage, with support for M.2 SATA SSD expansion. Its small form factor and comprehensive connectivity options make it a versatile solution for users requiring a space-efficient computer.

Design

Slim. Sturdy. Smart.

0.36L
Compact Design

200g
Lightweight

The Teclast N10 Mini PC, at 120mm x 120mm x 24mm and 200g, combines ultra-compact design with a high-performing 2.6GHz Intel CPU, delivering power in a pocket-sized package. Its compact size and light build make it an excellent choice for on-the-go productivity and entertainment, delivering powerful capabilities in a pocket-sized package.

24mm
120mm
120mm
TECLAST
Mini PC

Image 1.1: The TECLAST N10 Mini PC is designed for portability, measuring 120mm x 120mm x 24mm and weighing approximately 200g.
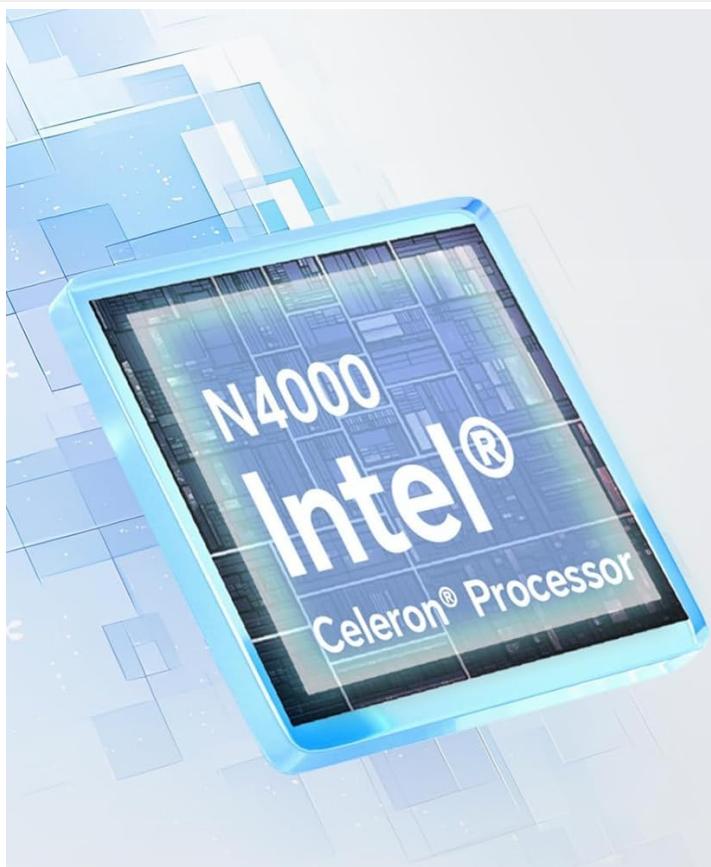
Image 1.2: The TECLAST N10 is equipped with an Intel Celeron N4000 processor, featuring a 14nm process, 4MB high-speed cache, and a turbo frequency of up to 2.6GHz.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- TECLAST N10 Mini PC
- Power Adapter
- User Manual (this document)

3. HARDWARE OVERVIEW

Familiarize yourself with the ports and features of your TECLAST N10 Mini PC.

PC Expansion Ports
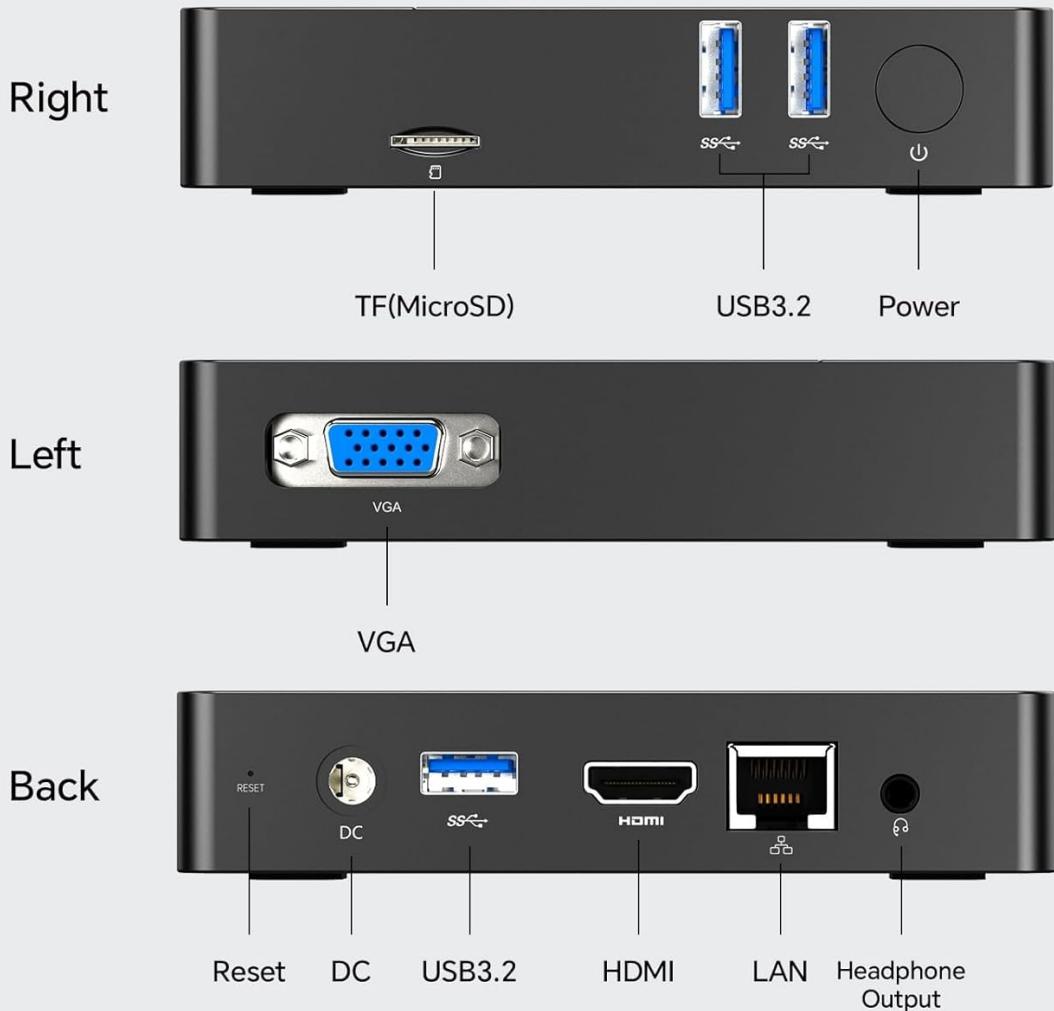
Image 3.1: Diagram showing the various ports on the TECLAST N10 Mini PC, including USB 3.2, HDMI, VGA, LAN, DC power input, TF (MicroSD) card slot, and a reset button.

Front Panel

- **Power Button:** To turn the device on or off.

Right Side

- **TF (MicroSD) Card Slot:** For external storage expansion.
- **USB 3.2 Ports (x2):** For connecting USB devices.

Left Side

- **VGA Port:** For connecting to a display.

Rear Panel

- **Reset Button:** For system reset (use a pin to press).
- **DC Power Input:** Connect the power adapter here.

- **USB 3.2 Port (x1):** For connecting USB devices.
- **HDMI Port:** For connecting to a display, supports 4K resolution.
- **RJ45 (LAN) Port:** For wired network connection.
- **Headphone Output:** For connecting audio devices.

4. INITIAL SETUP

Follow these steps to set up your TECLAST N10 Mini PC for the first time.

4.1 Connecting Peripherals

1. Connect your monitor(s) to the HDMI and/or VGA ports on the rear panel.
2. Connect your USB keyboard and mouse to the available USB 3.2 ports.
3. If using a wired network, connect an Ethernet cable to the RJ45 port.

Image 4.1: The TECLAST N10 Mini PC connected to a monitor, keyboard, mouse, and other accessories, demonstrating its wireless capabilities (2.4G/5G Wi-Fi, Bluetooth 4.2) and wired Ethernet.

4.2 Connecting Power

1. Connect the power adapter to the DC power input port on the rear panel.
2. Plug the power adapter into a wall outlet.

4.3 First Boot and Operating System Setup

1. Press the power button on the front panel. The device will power on.
2. The Mini PC typically comes with a pre-installed operating system (e.g., Windows 11 Pro). Follow the on-screen instructions to complete the initial setup, including language, region, and user account creation.

4.4 Dual Display Configuration

The TECLAST N10 supports simultaneous output to two displays using its HDMI and VGA ports.

1. Connect your primary monitor to the HDMI port.
2. Connect your secondary monitor to the VGA port.
3. Once the operating system loads, you can configure display settings (e.g., extend, duplicate) through the system's display settings menu.

TECLAST N10 Connecion

Carefully designed with HDMI and VGA video ports, compatible with various display devices, effortlessly enabling dual-screen display. The HDMI port supports 4K resolution screens, providing a clearer and more lifelike visual experience.

HDMI+VGA
Dual Display Output

VGA   HDMI

5. OPERATION

5.1 Power On/Off

- **To Power On:** Press the power button on the front panel.
- **To Power Off:** Use the operating system's shutdown function. Alternatively, press and hold the power button for a few seconds for a forced shutdown (not recommended for regular use).

5.2 Network Connectivity

- **Wi-Fi:** The N10 supports 2.4G and 5G Wi-Fi. Access network settings in your operating system to connect to available wireless networks.
- **Ethernet:** Connect an Ethernet cable to the RJ45 port for a stable wired network connection.
- **Bluetooth:** The device features Bluetooth 5.0 for connecting wireless peripherals such as keyboards, mice, and headphones. Enable Bluetooth in your operating system settings to pair devices.

5.3 Storage Expansion

The TECLAST N10 includes a built-in 128GB eMMC hard drive. For additional storage or faster data access, an M.2 SATA memory slot (size 2242) is available for user installation of an SSD.

Performance

The TECLAST N10 is equipped with an efficient 6GB of LPDDR4 memory with enhanced multitasking capabilities to meet the needs of most home users. It also comes with 128GB of high-speed storage, giving you plenty of space and quick access to your important files and programmes. In addition, for those who need more storage space, it supports SATA protocol for SSD expansion with 2242 length M.2 interface (not included), making SSD upgrades simple and efficient.

| 6GB LPDDR4 | 128GB | M.2 SSD |
| RAM | Storage | Expansion(not included) |

Image 5.1: The TECLAST N10 features 6GB LPDDR4 RAM and 128GB of internal storage, with an M.2 SSD expansion slot for additional storage (SSD not included).

To install an M.2 SATA SSD:

1. Ensure the Mini PC is powered off and disconnected from the power source.
2. Carefully open the device casing (refer to specific instructions if provided with the device for casing removal).
3. Locate the M.2 slot (2242 size) on the motherboard.
4. Insert the M.2 SATA SSD into the slot and secure it with the appropriate screw.
5. Close the device casing.
6. Upon next boot, the operating system should detect the new drive. You may need to initialize and format the drive through Disk Management (Windows) before use.

6. MAINTENANCE

6.1 Cleaning

- Ensure the device is powered off and unplugged before cleaning.

- Use a soft, dry cloth to wipe the exterior of the Mini PC.
- For stubborn dirt, lightly dampen the cloth with water or a mild, non-abrasive cleaner. Avoid direct spraying of liquids onto the device.
- Use compressed air to clear dust from vents and ports.

6.2 Software Updates

- Regularly check for and install operating system updates to ensure optimal performance and security.
- Update device drivers (e.g., graphics, network) as recommended by the operating system or TECLAST.

6.3 Environmental Considerations

- Operate the Mini PC in a well-ventilated area to prevent overheating.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Keep the device away from liquids and strong magnetic fields.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your TECLAST N10 Mini PC.

7.1 No Power

- Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
- Verify that the power outlet is functional by plugging in another device.
- Try a different power adapter if available and compatible.

7.2 No Display

- Check that the monitor is powered on and the correct input source (HDMI/VGA) is selected.
- Ensure the HDMI/VGA cable is securely connected to both the Mini PC and the monitor.
- Try connecting to a different monitor or using a different cable.

7.3 Network Connectivity Issues

- **Wi-Fi:** Check if Wi-Fi is enabled in the operating system. Restart your router/modem. Ensure you are within range of the Wi-Fi signal.
- **Ethernet:** Verify the Ethernet cable is properly connected. Check your router/modem for internet connectivity.
- **Bluetooth:** Ensure Bluetooth is enabled and your device is in pairing mode.

7.4 Slow Performance

- Close unnecessary applications running in the background.
- Check for and install any pending operating system updates.
- Ensure there is sufficient free space on the primary storage drive.
- Run a virus or malware scan.

7.5 System Reset

If the system becomes unresponsive, you can perform a hardware reset:

- Locate the small reset button on the rear panel (refer to Image 3.1).
- Using a thin object like a paperclip, gently press and hold the reset button for a few seconds until the device restarts.

8. SPECIFICATIONS

Detailed technical specifications for the TECLAST N10 Mini PC.

Feature	Specification
Brand	TECLAST
Model Name	N10
Item Model Number	NCD-N10
Processor Brand	Intel
Processor Type	Celeron N4000 (up to 2.6GHz)
Processor Count	2
RAM Size	6 GB DDR4
Hard Drive Size	128 GB eMMC
Hard Drive Interface	Serial ATA (for M.2 expansion)
M.2 Slot	Supports M.2 SATA SSD (2242 size)
Graphics Card Description	Integrated Intel UHD Graphics 600
Connectivity Type	Wi-Fi (2.4G & 5G), Bluetooth 5.0, Ethernet (RJ45)
USB Ports	3 x USB 3.2 Gen1 (5Gbps)
Video Output	HDMI (4K support), VGA
Audio Output	Headphone Output
Dimensions (LxWxH)	119mm x 119mm x 24mm (approx. 24 x 1.86 x 35.9 cm as per product dimensions)
Item Weight	198g (approx. 720g as per product weight)
Operating System	Not specified (typically Windows pre-installed)

9. WARRANTY AND SUPPORT

TECLAST products are covered by a limited warranty. Please refer to the warranty card included with your product or visit the official TECLAST website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or service inquiries, please contact TECLAST customer support through their official channels. Contact information can typically be found on the TECLAST website or in the product packaging.