TECLAST N15

TECLAST N15 Mini PC User Manual

Model: N15

Introduction   What's in the Box   Product Overview   Setup Instructions   Operating Instructions   Performance & Cooling   Maintenance   Troubleshooting   Specifications   Warranty & Support

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your TECLAST N15 Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

The TECLAST N15 is a compact desktop computer featuring an Intel Celeron N5095 processor, 16GB DDR4 RAM, and a 512GB SSD. It supports triple 4K monitor output and comes with Windows 11 Pro pre-installed, making it suitable for various applications including office work, creative design, and multimedia entertainment.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- 1 x TECLAST N15 Mini PC
- 1 x Power Adapter
- 1 x VESA Mount
- 1 x HDMI Cable
- 1 x User Manual

**MORE VERSATILITY,
MORE POSSIBLITIES**

Fortified with high-performance I/O, the Teclast N15 features one HDMI, one Display Port, and a full-function Type C port for simultaneous 4K display support. With six USB ports, it ensures swift data transfer, and a COM port enables easy printer connection. Its advanced connectivity options make it a versatile solution for diverse user needs.

Front

Full-Function Type-C	Headphone Output
USB3.2X2	Microphone Input
USB2.0X2	Power

Note: The full-function type-C supports charging, data transmission, video transmission, and audio transmission. It has a high transmission rate and strong current output capability, and the bi-directional compatibility also makes it extremely useful and convenient.

Image: Contents of the TECLAST N15 Mini PC package.

3. Product Overview

3.1. Dimensions and Design

The TECLAST N15 Mini PC is designed for compactness and portability, measuring approximately 4.5 x 1.6 x 4.5 inches (115 x 43 x 115 mm) and weighing around 400g. Its aluminum body ensures a sturdy structure.

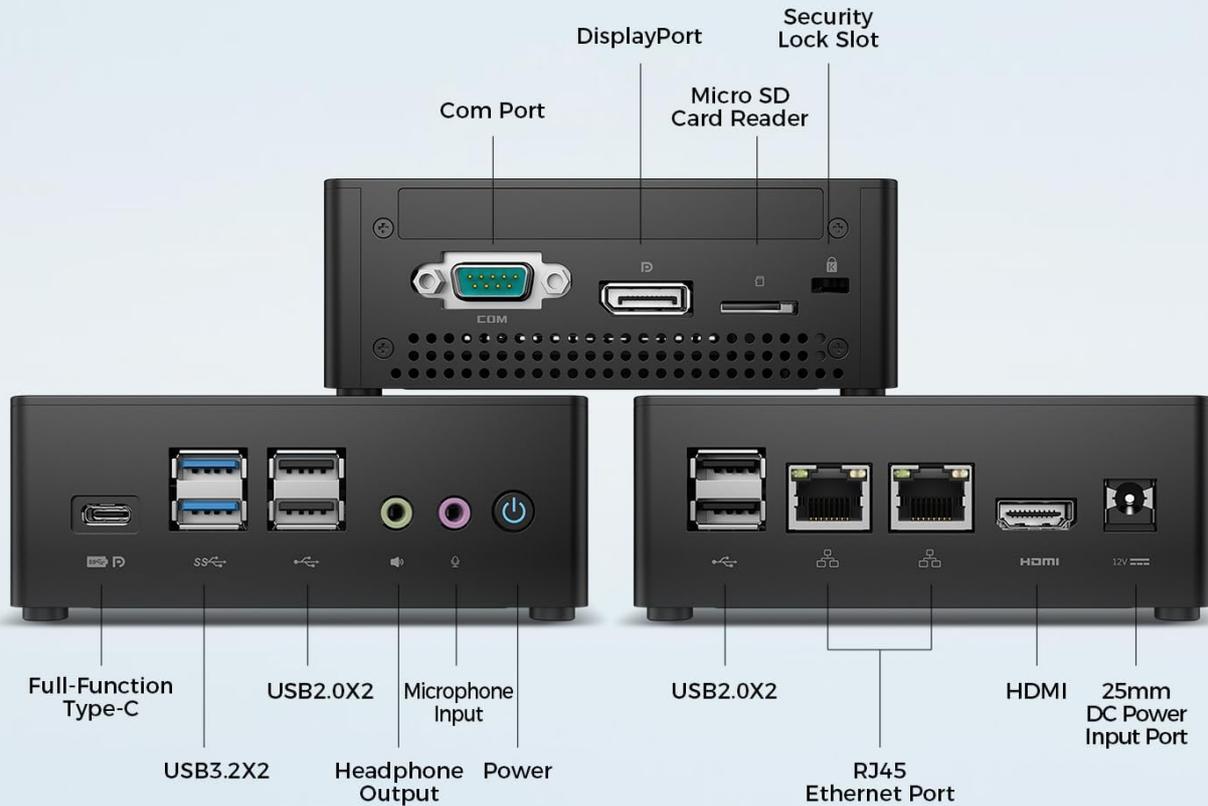# MORE VERSATILITY, MORE POSSIBLITIES

Com Port

DisplayPort

Security Lock Slot

Micro SD Card Reader

COM

Full-Function Type-C

USB3.2X2

USB2.0X2

Microphone Input

Headphone Output

Power

USB2.0X2

RJ45 Ethernet Port

HDMI

25mm DC Power Input Port

Image: TECLAST N15 Mini PC dimensions and compact design.

3.2. Ports and Connectivity

The N15 Mini PC offers extensive connectivity options to support various peripherals and displays.

- **Front Ports:** 1x Full-Function Type-C, 2x USB 3.0, 2x USB 2.0, 1x Headphone Output, 1x Microphone Input, Power Button.
- **Side Ports:** 1x COM Port, 1x DisplayPort, 1x Micro SD Card Reader, 1x Security Lock Slot.
- **Rear Ports:** 2x RJ45 Ethernet Ports (2.5Gbps), 2x USB 2.0, 1x HDMI Port, 1x DC Power Input.

COMPACT SIZE, EASY TO CARRY

0.53L
Compact Volume

400g
Lightweight

Aluminum Body
Sturdy Structure

115mm

115mm

Mini PC

TECLAST

43mm

Mini PC

Image: Overview of the TECLAST N15 Mini PC's various connectivity ports.

Mini PC

TECLAST

Image: Front panel ports of the TECLAST N15 Mini PC.
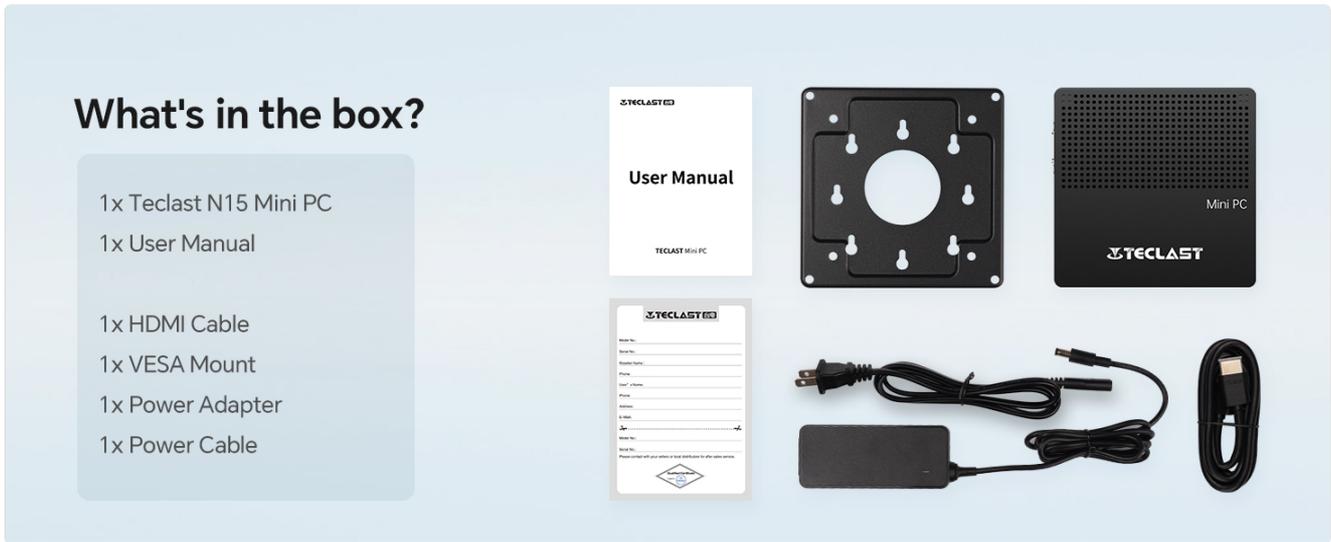
Image: Side panel ports of the TECLAST N15 Mini PC.

Image: Rear panel ports of the TECLAST N15 Mini PC.

3.3. Internal Components

The N15 features an Intel Gen 11 N5095 processor, 16GB DDR4 RAM, and a 512GB PCIe 3.0 SSD. It also includes an M.2 E-slot for function expansion (pre-occupied by a wireless network card by default).

Image: Internal components of the TECLAST N15 Mini PC.

4. SETUP INSTRUCTIONS

4.1. Connecting Peripherals

1. **Connect Display:** Use the HDMI, DisplayPort, or Full-Function Type-C port to connect your monitor(s). The N15 supports up to three 4K displays simultaneously.
2. **Connect Keyboard and Mouse:** Plug your USB keyboard and mouse into the available USB ports.
3. **Connect Network:** For a wired connection, connect an Ethernet cable to one of the two RJ45 ports. For wireless, ensure your Wi-Fi network is available during initial setup.
4. **Connect Power:** Plug the power adapter into the DC power input port on the Mini PC, then connect the adapter to a power outlet.

Image: Example setup with the TECLAST N15 Mini PC connected to multiple displays and peripherals.

4.2. Initial Power On

Press the power button on the front of the Mini PC. The device will boot into Windows 11 Pro. Follow the on-screen instructions to complete the initial Windows setup, including language, region, network connection, and user account creation.

4.3. VESA Mount Installation (Optional)

The included VESA mount allows you to attach the Mini PC to the back of a compatible monitor or to a wall, saving desk space. Refer to the VESA mount instructions for detailed installation steps.

Image: TECLAST N15 Mini PC with VESA mount for space-saving installation.

5. OPERATING INSTRUCTIONS

5.1. Windows 11 Pro

Your TECLAST N15 Mini PC comes with Windows 11 Pro pre-installed. This operating system provides a secure and versatile environment for various tasks, from productivity to entertainment. Ensure Windows updates are regularly installed to maintain system security and performance.

Image: Windows 11 Pro interface on the TECLAST N15 Mini PC.

5.2. Multi-Monitor Setup

The Mini PC supports connecting up to three displays simultaneously at 4096x2160@60Hz via HDMI, DisplayPort, and the Full-Function Type-C port. This allows for an extended workspace, enhancing productivity for tasks like creative design, data analysis, or multi-tasking.
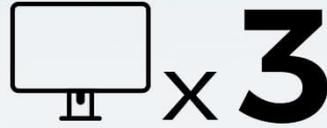
Image: Triple 4K monitor setup with the TECLAST N15 Mini PC.

5.3. Power Management

- **Shut Down:** Click the Start button, then Power > Shut down.
- **Restart:** Click the Start button, then Power > Restart.
- **Sleep:** Click the Start button, then Power > Sleep.
- **Auto Power On:** The device supports Auto Power On, RTC Wake Settings, and Wake On LAN, which can be configured in the BIOS settings.

6. PERFORMANCE AND COOLING

The TECLAST N15 is equipped with an Intel Celeron N5095 processor, offering a turbo frequency of up to 2.9 GHz. It features Intel UHD Graphics with 16 Execution Units (EU) and Quick Sync Video technology for efficient hardware video encoding and decoding.
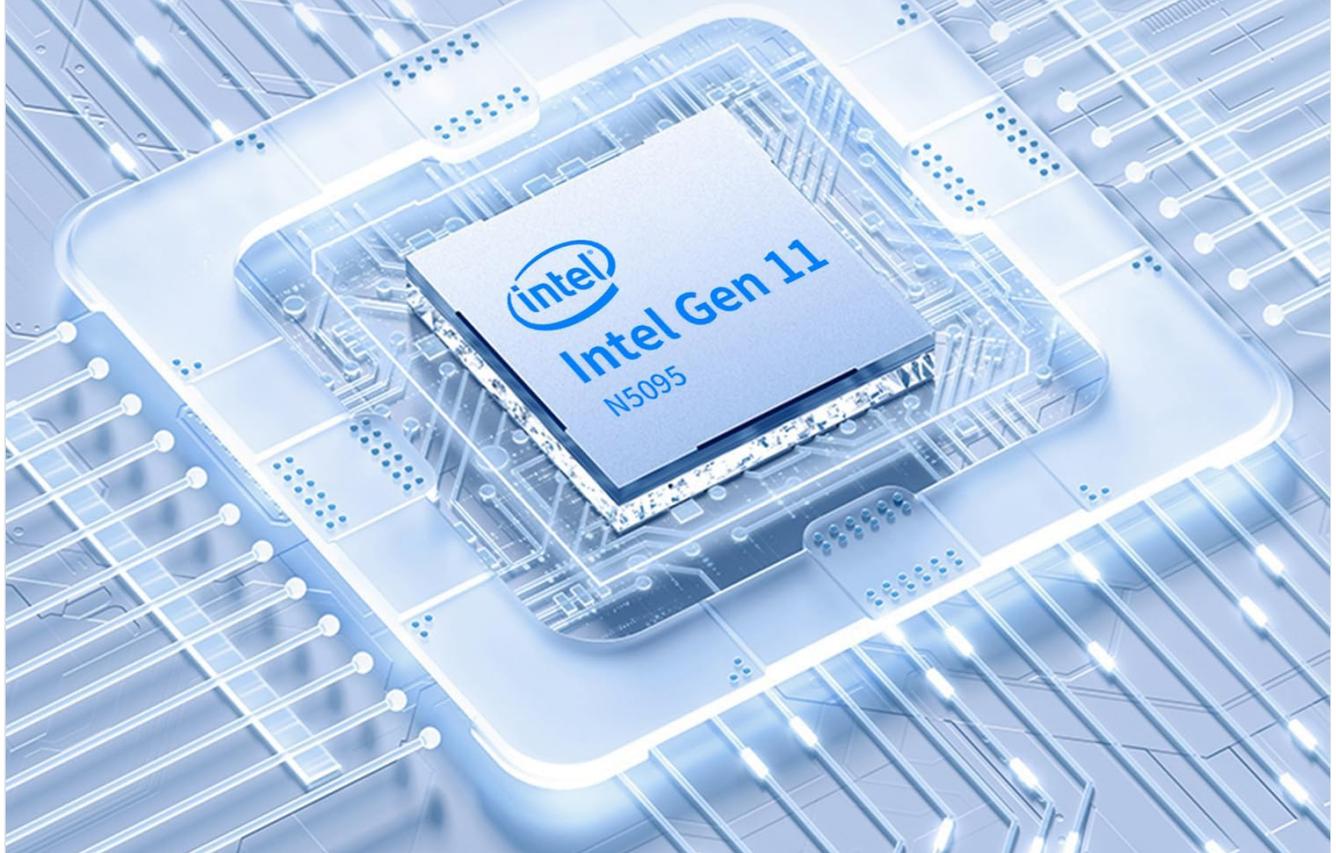
Image: Key performance specifications of the TECLAST N15 Mini PC.

6.1. Cooling System

The Mini PC incorporates a built-in fan cooling system with a nickel-plated heat pipe and a large heat dissipation area (over 16000mm²). This design ensures efficient heat transfer and silent operation, preventing overheating during multitasking.
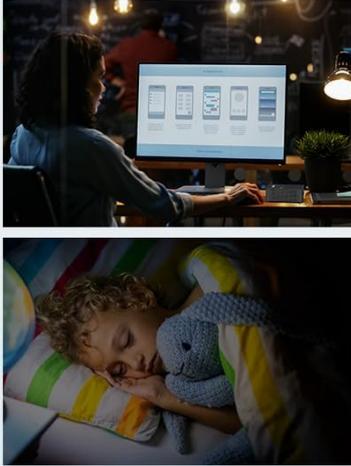
Image: Internal cooling system and noise level illustration.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Mini PC. For vents, use compressed air to remove dust buildup. Do not use liquid cleaners directly on the device.
- **Software Updates:** Regularly check for and install Windows updates and driver updates to ensure optimal performance and security.
- **Storage Management:** Periodically clean up unnecessary files and applications to free up storage space and improve system responsiveness.
- **Environmental Conditions:** Operate the Mini PC in a well-ventilated area, away from direct sunlight, excessive heat, and moisture.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No power	Power adapter not connected, power outlet issue.	Ensure power adapter is securely connected to the Mini PC and a working power outlet. Try a different outlet.
No display	Monitor not connected, incorrect input source, faulty cable.	Check HDMI/DP/Type-C cable connections. Ensure monitor is on and set to the correct input source. Try a different cable or monitor if possible.
No internet connection	Ethernet cable disconnected, Wi-Fi disabled, router issue.	For wired: Check Ethernet cable. For Wi-Fi: Ensure Wi-Fi is enabled in Windows settings and connected to your network. Restart your router/modem.
Peripherals not recognized	Loose connection, driver issue, incompatible device.	Reconnect the peripheral. Try a different USB port. Check Device Manager for driver issues. Ensure the peripheral is compatible with Windows 11.

9. SPECIFICATIONS

Feature	Detail
Processor	Intel Celeron N5095 (2.9 GHz Turbo Frequency)
RAM	16GB DDR4
Storage	512GB PCIe x4 SSD
Graphics	Intel UHD Graphics (Integrated)
Operating System	Windows 11 Pro (Pre-installed)
Video Output	HDMI, DisplayPort, Full-Function Type-C (Supports Triple 4K @ 60Hz)
USB Ports	2x USB 3.0, 4x USB 2.0, 1x Full-Function Type-C
Network	2x 2.5Gbps RJ45 Ethernet, 802.11ac Wi-Fi (Dual-band)
Bluetooth	Bluetooth 4.2
Other Ports	COM Port, Micro SD Card Reader, Headphone Output, Microphone Input, Security Lock Slot
Dimensions (LxWxH)	4.5 x 1.6 x 4.5 inches (115 x 43 x 115 mm)
Weight	14.6 ounces (approx. 400g)
Cooling	Built-in fan cooling with nickel-plated heat pipe

10. WARRANTY AND SUPPORT

The TECLAST N15 Mini PC comes with a 1-year product satisfaction warranty and lifetime technical support. For any questions or assistance, please contact TECLAST customer support.

You can find contact information and further resources on the official TECLAST website or through your purchase

platform.

11. PRODUCT VIDEO DEMONSTRATION

Watch the official product video for a visual overview of the TECLAST N15 Mini PC's features and capabilities.

Your browser does not support the video tag.

Video: Official demonstration of the TECLAST N15 Mini PC, highlighting its design, ports, and usage scenarios.