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TECLAST F16Pro

TECLAST F16Pro Laptop User Manual

Model: F16Pro

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your TECLAST F16Pro laptop. Please read this manual thoroughly before using the device to ensure proper function and longevity.

Safety Information

- Do not expose the laptop to extreme temperatures, direct sunlight, or high humidity.
- Avoid placing heavy objects on the laptop.
- Use only the original power adapter provided with the device.
- Keep the laptop away from water and other liquids.
- Do not attempt to disassemble or repair the laptop yourself. Contact authorized service personnel for assistance.
- Ensure proper ventilation to prevent overheating.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- TECLAST F16Pro Laptop
- Power Adapter
- User Manual (this document)

3. PRODUCT OVERVIEW

The TECLAST F16Pro is a high-performance laptop designed for productivity and entertainment. It features a 15.6-inch Full HD IPS display, an Intel N95 processor, 16GB DDR5 RAM, and a 512GB SSD.

Key Features

Processor and Performance

Equipped with an Intel N95 12th Gen Alder Lake-N processor, offering a max turbo frequency of 3.4GHz. It includes 16GB LPDDR5 dual-channel memory for efficient multitasking.

Max Power, Min Effort

Teclast F16 Pro laptop boasts the Intel N95 quad-core processor, crafted with the Alder Lake architecture of 12th Gen processor. It now incorporates advanced instruction sets such as AVX and AVX2, achieving an outstanding IPC performance of over 100% increase. Utilizing the Intel 7 Technology, with a mere 15W TDP, it enhances energy efficiency while maintaining CPU performance and reducing heat generated, giving you a smoother user experience.



Intel N95 CPU

Intel Gen 12th Alder Lake N

Intel 7 Technology

3.4GHz

Max Turbo Frequency

3.2GHz

All Cores Turbo Frequency

1.4X Single-core

Performance Improvement*

2X Multi-core

Performance Improvement*

Enhanced Cooling, Optimal Efficiency

Teclast F16 Pro features an 8mm diameter copper heat pipe, rapidly conducting CPU heat to cooling fins covered with a graphene heat dissipation coating. This heat is then efficiently expelled from the body by a densely bladed turbine fan. This design enables the N95 to fully leverage its 15W performance capability. Additionally, the bottom air intake design ensures a cooler experience, even when the laptop is used on your lap.



Image: Intel N95 Processor and Enhanced Cooling System.

Display and Graphics

Features a 15.6-inch Full HD (1920x1080) IPS display with a 6mm narrow bezel, achieving a 90% screen-to-body ratio. Integrated Intel Gen 12th UHD Graphics with DirectX 12.1 support.

Broaden your horizons

Discover a new visual frontier with the F16 Pro. Ultra-narrow 6mm bezels encase a screen-to-body ratio that surpasses its forerunners, making more room for what matters most—your content. The 15.6-inch Full HD IPS display not only dazzles with vivid colors but also captivates with unparalleled clarity.



6mm
Narrow Bezel

Vast Display
15.6 inch

Screen-to-body ratio
90%

Image: 15.6-inch Full HD IPS Display with Narrow Bezels.

Storage and Expansion

Comes with a 512GB NVMe SSD. A reserved second SSD slot (2280 m.2 B Key SATA) allows for storage expansion.



Image: Storage and Expansion Options.

Connectivity and Ports

Supports WiFi 6 (802.11ax) and Bluetooth 5.0.
Includes a Full-Feature Type-C port, two USB 3.0 Type-A ports, a Micro SD Card slot, a Headphone Jack, DC Power input, and Mini-HDMI.



Image: Available Ports on the TECLAST F16Pro.

Keyboard and Touchpad

Features a full-spacing backlit keyboard with an integrated Numpad. The keys have dished caps and long key travel for comfortable typing. An ultra-smooth touchpad provides precise control.



Image: Backlit Keyboard with Numpad and Smooth Touchpad.

Battery and Portability

Equipped with a 38WH (38000mWh) battery supporting 36W fast charging and USB-PD protocol. Weighs 1.65kg, making it lightweight and portable. Features a 135° ergonomic design for various usage scenarios.



Image: Extended Battery Life and Portable Design.

Product Video Overview

Your browser does not support the video tag.

Video: An overview of the TECLAST F16Pro Laptop's features and design.

4. SETUP

Initial Power On

1. **Charge the Battery:** Connect the power adapter to the laptop's DC power port and a power outlet. It is recommended to charge the laptop for at least 30 minutes before the first use.
2. **Power On:** Open the laptop lid and press the power button located on the keyboard.
3. **Initial Windows Setup:** Follow the on-screen instructions to complete the Windows 11 setup, including language selection, network connection, and user account creation.

Connecting Peripherals

The TECLAST F16Pro offers various ports for connecting external devices:

- **USB Devices:** Use the two USB 3.0 Type-A ports for mice, keyboards, external hard drives, etc.
- **USB-C Devices:** The Full-Feature Type-C port supports data transfer, video output, and power delivery.
- **External Display:** Connect an external monitor using the Mini-HDMI port or the Full-Feature Type-C port (with an appropriate adapter, not included).
- **Audio:** Use the 3.5mm headphone jack for headphones or external speakers.
- **Micro SD Card:** Insert a Micro SD card into the dedicated slot for additional storage.

5. OPERATING INSTRUCTIONS

Keyboard Functions

- **Backlit Keyboard:** Press **Fn + F5** to toggle the keyboard backlight.
- **Screen Brightness:** Use **Fn + F6** (decrease) and **Fn + F7** (increase) to adjust screen brightness.
- **Volume Control:** Use the dedicated function keys (e.g., F1-F3) for volume mute, decrease, and increase.
- **Numeric Keypad:** The integrated numeric keypad can be activated or deactivated using the Num Lock key.

Touchpad Gestures

The large touchpad supports multi-touch gestures for enhanced navigation in Windows 11:

- **Single-finger tap:** Left-click.
- **Two-finger tap:** Right-click.
- **Two-finger scroll:** Scroll up or down.
- **Pinch-to-zoom:** Zoom in or out.
- **Three-finger swipe up:** Open Task View.
- **Three-finger swipe down:** Show desktop.

Power Management

- **Sleep Mode:** Close the lid or press the power button briefly.
- **Shut Down:** Go to Start Menu > Power > Shut down.
- **Restart:** Go to Start Menu > Power > Restart.

6. MAINTENANCE

Cleaning the Laptop

- **Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen cleaner. Do not spray liquid directly onto the screen.
- **Keyboard and Chassis:** Use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters openings.
- **Ports:** Keep ports free of dust and debris. Use compressed air if necessary, holding the can upright to prevent liquid propellant discharge.

Battery Care

- Avoid fully discharging the battery frequently.
- Store the laptop in a cool, dry place if not used for extended periods, with the battery charged to about 50%.
- Do not expose the battery to high temperatures.

Software Updates

Regularly update your Windows operating system and drivers to ensure optimal performance and security. You can check for updates via Windows Settings > Windows Update.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Laptop does not power on.	Low battery, power adapter issue.	Ensure the power adapter is securely connected and the laptop is charged. Try a different power outlet.
Screen is blank or black.	Sleep mode, display settings, hardware issue.	Press any key or move the mouse to wake from sleep. Check if an external monitor is connected and set as primary display. Restart the laptop.
Wi-Fi connection issues.	Wi-Fi disabled, driver issue, router problem.	Ensure Wi-Fi is enabled in Windows settings. Restart your router. Update Wi-Fi drivers.
Keyboard backlight not working.	Backlight disabled.	Press Fn + F5 to toggle the keyboard backlight.
Slow performance.	Too many applications running, low storage, outdated drivers.	Close unnecessary applications. Free up disk space. Update Windows and drivers.

If the problem persists after trying these solutions, please contact TECLAST customer support.

8. SPECIFICATIONS

Feature	Detail
Model	TECLAST F16Pro

Feature	Detail
Processor	Intel N95 (12th Gen Alder Lake-N), 3.4GHz Max Turbo Frequency
RAM	16GB LPDDR5
Storage	512GB NVMe SSD (Reserved 2nd SSD slot: 2280 m.2 B Key SATA)
Display	15.6-inch FHD IPS (1920x1080), 6mm Narrow Bezel, 90% Screen-to-Body Ratio
Graphics	Intel Gen 12th UHD Graphics, DirectX 12.1
Operating System	Windows 11
Wireless Connectivity	WiFi 6 (802.11ax), Bluetooth 5.0
Ports	1x Full-Feature Type-C, 2x USB 3.0 Type-A, 1x Micro SD Card Slot, 1x Headphone Jack, 1x DC Power, 1x Mini-HDMI
Battery	38WH (38000mWh), 36W Fast Charging, USB-PD Protocol
Keyboard	Full-spacing Backlit Keyboard, Integrated Numpad
Weight	1.65 kg (approximately 3.64 lbs)
Dimensions (LxWxH)	14.13 x 9.06 x 0.73 inches (35.89 x 23.01 x 1.85 cm)

9. WARRANTY AND SUPPORT

Warranty Information

TECLAST provides a **1-year warranty** for this laptop from the date of purchase. This warranty covers manufacturing defects and workmanship. It does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear.

For warranty claims, please retain your proof of purchase.

Customer Support

If you encounter any issues or have questions regarding your TECLAST F16Pro laptop, please contact our customer support team. We aim to respond to inquiries within 1 working day.

- **Online Support:** Visit the official TECLAST website for FAQs and support resources.
- **Email Support:** Refer to your product packaging or the official website for the support email address.

We recommend charging the product for more than 30 minutes before turning it on for the first time.