

**Tera P172**

# Tera P172 Android 11 Barcode Scanner PDA User Manual

Model: P172 | Brand: Tera

## 1. INTRODUCTION

The Tera P172 is a robust Android 11-based handheld mobile computer designed for efficient inventory management and data collection. Featuring a 5.2-inch full touch screen, a powerful Zebra 2D scan engine, and an 8000mAh extra-large battery, it is built for continuous operation in various demanding environments. Its IP65 grading ensures resistance to water and dust, making it suitable for industrial, retail, logistics, and warehouse applications.

### What's Included

Upon unboxing, please verify that all components are present:

- 1x Tera P172 Android 11 Handheld Barcode Scanner
- 1x Charging Cradle
- 1x Pistol Grip
- 1x Charge Adapter
- 1x USB Cable
- 1x Screen Protector
- 1x Sim Tray Ejector
- 1x Lanyard
- 1x User Manual
- 1x SDK (Software Development Kit)



Image: The Tera P172 barcode scanner along with its charging cradle, pistol grip, power adapter, USB cable, screen protector, SIM tray ejector, lanyard, and user manual.

## 2. PRODUCT FEATURES

The Tera P172 is equipped with advanced features to enhance productivity and reliability:

- **Operating System:** Runs on Android 11.0, ensuring data security and compatibility with modern applications.
- **Processor:** Mediatek MT6765V/CB, Octa-core Cortex-A53, 2.3 GHz.
- **Memory & Storage:** 3GB RAM + 32GB internal storage, expandable up to 128GB via Micro SD port.
- **Display:** 5.2-inch Full Touch Screen (IPS LTPS 1920 x 1080) for clear and intuitive interaction.
- **Scanning Engine:** Integrated Zebra 2D scanner for accurate and rapid reading of 1D and 2D barcode labels.
- **Battery:** 8000mAh large capacity battery providing up to 12 hours of continuous work and 500 hours of standby time. Charges fully in 3-4 hours.
- **Durability:** IP65 graded for water and dust resistance, capable of withstanding 1.5m (4.9 ft) drops.
- **Connectivity:** Supports 4G, 3G, dual-band Wi-Fi, Bluetooth 5.0, and GPS for real-time data transmission and monitoring.

- **Camera:** 13 MP camera.
- **Optional:** NFC reading capability.

## 5.2" IPS LTPS 1920 x 1080 Screen



**5.2" IPS**

**1K ULTRA HD**

Image: The Tera P172's 5.2-inch IPS LTPS screen, showcasing its high resolution suitable for detailed viewing in various work environments.

# Advanced Android 11 OS



Image: The Tera P172 highlighting its Advanced Android 11 OS and 3GB RAM + 32GB storage capacity.

Your browser does not support the video tag.

Video: This video demonstrates the Tera P172 Android Scanner's 8000mAh battery, emphasizing its capability for all-day work and uninterrupted performance in a warehouse setting.

## 3. SETUP

### Initial Charging

Before first use, fully charge the Tera P172. Connect the charge adapter to the charging cradle, then place the scanner into the cradle. The device should fully charge in approximately 3-4 hours. The charging cradle provides a convenient and stable charging solution.

# With Charging Cradle

Non-removable



Image: The Tera P172 in its charging cradle, illustrating its 8000mAh battery capacity and efficient charging capabilities.

## Attaching the Pistol Grip

The included pistol grip can be attached to the scanner for enhanced ergonomics and ease of use during prolonged scanning tasks. Align the grip with the designated mounting points on the back of the scanner and secure it firmly.

Your browser does not support the video tag.

Video: This video provides an overview of the Tera P172 Android PDA Scanner, demonstrating its features including the charging base and the attachment of the pistol grip.

## Inserting SIM/Micro SD Card

If cellular connectivity or expanded storage is required, use the provided SIM tray ejector to open the SIM/Micro SD card slot. Insert your SIM card and/or a Micro SD card (up to 128GB) into the respective slots, then close the tray securely.

## 4. OPERATING INSTRUCTIONS

### Power On/Off

- **To Power On:** Press and hold the power button located on the side of the device until the screen illuminates.
- **To Power Off:** Press and hold the power button, then select 'Power Off' from the options displayed on the screen.

### Barcode Scanning

The Tera P172 utilizes a Zebra 2D scan engine for efficient barcode reading.

1. Open the scanning application on the device.
2. Point the scanner's window at the barcode you wish to scan.
3. Press the scan trigger button (typically located on the pistol grip or side of the device).
4. Ensure the scan beam covers the entire barcode for accurate reading. The device will provide an audible or visual confirmation upon successful scan.

### Connectivity

The device supports various wireless connectivity options:

- **Wi-Fi:** Navigate to Settings > Network & internet > Wi-Fi to connect to available dual-band Wi-Fi networks.
- **Bluetooth:** Go to Settings > Connected devices > Bluetooth to pair with Bluetooth 5.0 compatible devices for faster and more stable connections.
- **Cellular Data:** If a SIM card is installed, enable mobile data via Settings > Network & internet > Mobile network for 4G/3G connectivity.
- **GPS:** Location services can be enabled via Settings > Location for GPS functionality.

## 5. MAINTENANCE

### Cleaning

To maintain optimal performance and appearance, regularly clean the device. Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive cleaning solution. Avoid harsh chemicals or abrasive materials that could damage the screen or casing.

### Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Charge the device when the battery level is low. Store the device in a cool, dry place when not in use for extended periods.

### Durability and Protection

The Tera P172 is designed with IP65 grading, offering significant protection against dust ingress and low-pressure water jets. It is also resistant to drops from up to 1.5 meters (4.9 feet). While robust, avoid intentional drops or exposure to extreme conditions to ensure longevity. The included screen protector can be applied for

additional display protection.

# IP65 Grade



Image: The Tera P172 demonstrating its IP65 grade for dustproof and water-resistant capabilities, suitable for challenging environments.

## 6. TROUBLESHOOTING

If you encounter issues with your Tera P172, please refer to the following common solutions:

- **Device Not Powering On:** Ensure the battery is charged. Connect the device to the charging cradle and allow it to charge for at least 30 minutes before attempting to power on again.
- **Scanning Issues:** Verify that the barcode is clean and undamaged. Ensure the scanning application is open and the scan beam is properly aligned with the barcode. Check if the correct barcode symbologies are enabled in the scanner settings.
- **Connectivity Problems (Wi-Fi/Bluetooth/Cellular):** Check if Wi-Fi, Bluetooth, or mobile data is enabled in the device settings. Ensure you are within range of a strong signal. For cellular issues, verify SIM card insertion and network plan.

- **Device Unresponsive:** If the device becomes unresponsive, perform a soft reset by pressing and holding the power button for approximately 10-15 seconds until the device restarts.
- **Screen Issues:** If the touch screen is unresponsive, ensure it is clean and dry. Restart the device. If issues persist, contact technical support.

For more complex issues or problems not covered here, please contact Tera technical support.

## 7. SPECIFICATIONS

| Feature           | Detail                                                       |
|-------------------|--------------------------------------------------------------|
| Model             | P172                                                         |
| Operating System  | Android 11.0                                                 |
| Processor         | Mediatek MT6765V/CB, Octa-core Cortex-A53, 2.3 GHz           |
| Memory            | 3GB RAM                                                      |
| Storage           | 32GB (expandable up to 128GB via Micro SD)                   |
| Display           | 5.2-inch IPS LTPS, 1920 x 1080 Full Touch Screen             |
| Barcode Scanner   | Zebra 2D Scan Engine (1D & 2D symbologies)                   |
| Battery Capacity  | 8000mAh                                                      |
| Battery Life      | Up to 12 hours continuous work, 500 hours standby            |
| Charging Time     | 3-4 hours                                                    |
| Durability Rating | IP65 (Water & Dust Resistant), 1.5m (4.9 ft) drop resistance |
| Connectivity      | 4G, 3G, Dual-band Wi-Fi, Bluetooth 5.0, GPS                  |
| Camera            | 13 MP                                                        |
| Dimensions        | 0.96 x 3.15 x 6.46 inches                                    |
| Weight            | 2.5 pounds                                                   |

## 8. WARRANTY AND SUPPORT

Tera provides lifetime technical support for the P172 barcode scanner. For any technical assistance, customization services, or inquiries regarding warranty details, please contact Tera's customer support. Tera has local support centers in the USA and Germany to offer offline technical assistance.

For the most current warranty information, please refer to the documentation included with your product or visit

# US-BASED BRAND, ADVANCED R&D CENTER



**24/7**  
Customer Support



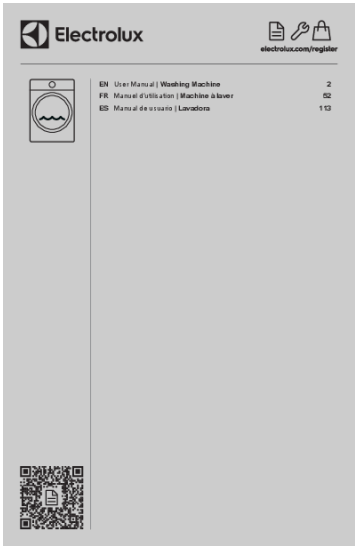
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Development Kits



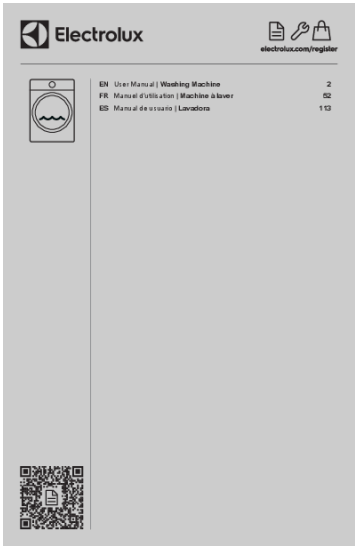
**R&D**  
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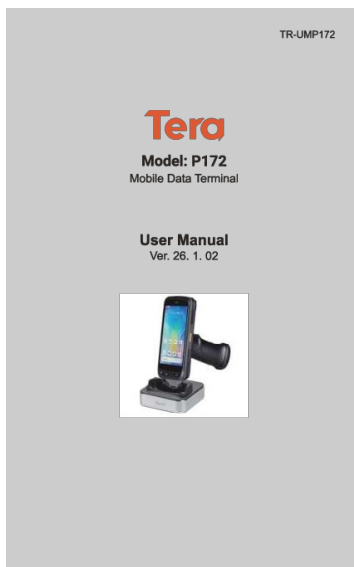
Image: Tera's commitment to customer support and advanced R&D, emphasizing 24/7 availability and SDK development.



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[\[pdf\]](#) User Manual

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