NETUM Q900

NETUM Android 14 Handheld Barcode Scanner Mobile Computer Q900 User Manual

MODEL: Q900

Brand: NETUM

1. PRODUCT OVERVIEW

The NETUM Q900 is a robust handheld mobile computer designed for demanding environments such as warehousing, logistics, and asset tracking. It integrates an Android 14 operating system with a high-performance barcode scanning engine, offering reliable data capture and processing capabilities.
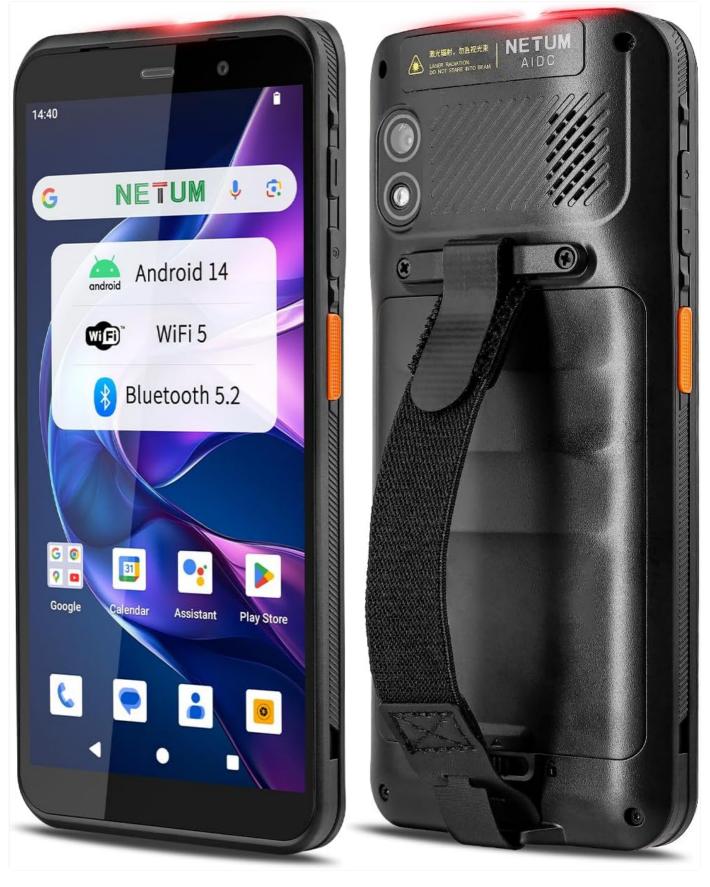
Figure 1.1: Front and back view of the NETUM Q900 device, showcasing its ergonomic design and integrated scanner.

Key Features:

- **High Performance:** Powered by an octa-core MT8781 processor and Android 14, with 4GB RAM and 64GB storage (expandable).
- **Immersive Display:** 5.99-inch HD IPS touchscreen with multi-touch support.
- **Advanced Barcode Scanning:** Equipped with a Honeywell HS7 scan engine for 1D and 2D barcodes.

- **Industrial-Grade Rugged Design:** IP67 rated for water and dust resistance, drop-tested from 1.5 meters.
- **Global Connectivity:** Supports global 4G LTE (dual SIM), Wi-Fi 5 (dual band), Bluetooth 5.2, and full GNSS.
- **Long Battery Life:** 5000mAh battery providing up to 13.5 hours of operation, with quick charging via USB-C or optional docking cradle.
- **Modular Expansion:** Optional modules include UHF RFID, NFC, fingerprint reader, and a scan handle.

2. SETUP GUIDE

2.1. Package Contents

Verify that the following items are included in your package:

- NETUM Q900 Mobile Computer
- USB-C Charging Cable
- Power Adapter
- Quick Start Guide
- (Optional) Docking Cradle, Hand Strap, other modules

2.2. Battery Installation and Charging

1. Locate the battery compartment cover on the back of the device.
2. Open the cover and insert the 5000mAh battery, ensuring the contacts align correctly.
3. Replace the battery compartment cover securely.
4. Connect the USB-C cable to the device's charging port and the power adapter. Plug the adapter into a wall outlet.
5. Allow the device to charge fully before first use. A full charge typically takes less than 4 hours.

Figure 2.1: Illustration of the 5000mAh battery, highlighting its long-lasting power for extended use.

2.3. Initial Power On and Basic Configuration

1. Press and hold the Power button until the device vibrates and the screen turns on.

2. Follow the on-screen prompts to complete the initial Android 14 setup, including language selection, Wi-Fi connection, and Google account setup.

3. Ensure the device is connected to a stable Wi-Fi network or has a 4G LTE connection for updates and application downloads.

3. OPERATING INSTRUCTIONS

3.1. Touchscreen Navigation

The Q900 features a responsive 5.99-inch HD IPS touchscreen. Navigate the Android interface using standard touch gestures: tap, swipe, pinch-to-zoom, and long-press.

Figure 3.1: The 5.99-inch HD+ display offers clear visibility even in bright sunlight, enhancing outdoor usability.

3.2. Barcode Scanning

The integrated Honeywell HS7 scan engine allows for rapid and accurate capture of 1D and 2D barcodes.

1. Open the scanning application or an application that supports barcode input.
2. Point the scanner window (located at the top of the device) towards the barcode.
3. Press one of the dedicated scan buttons (typically on the side of the device) to activate the laser/imager.
4. Ensure the barcode is within the scanning range (approximately 5cm to 2m+ for long-range scanning) and centered in the aiming pattern.
5. A successful scan will typically be indicated by an audible beep and/or a visual confirmation on the screen.

Figure 3.2: The Honeywell HS7 engine efficiently scans various barcode types, including damaged or difficult-to-read codes.

Your browser does not support the video tag.

Video 3.1: Demonstration of the NETUM Q900's barcode scanning capabilities, including long-range scanning and DPM code recognition.

3.3. Camera Usage

The Q900 is equipped with an 8MP front camera and a 13MP rear camera for documentation and image capture.

1. Open the Camera application from the home screen or app drawer.
2. Select between front and rear cameras as needed.
3. Tap the screen to focus and press the shutter button to capture photos or videos.

Figure 3.3: Location of the 8MP front camera, 13MP rear camera, and NFC module on the NETUM Q900.

3.4. NFC Functionality

The device supports NFC for short-range wireless communication, enabling applications like contactless payments, data exchange, and access control.

1. Ensure NFC is enabled in the device settings (Settings > Connected devices > Connection preferences > NFC).
2. Hold the device near an NFC tag or compatible reader to initiate communication.
3. Follow on-screen prompts for specific NFC applications.

4. MAINTENANCE

4.1. Cleaning the Device

- Use a soft, lint-free cloth slightly dampened with water or a mild screen cleaner to wipe the display and exterior.
- Avoid using harsh chemicals, abrasive cleaners, or aerosol sprays.

- Ensure all ports are dry before charging or connecting accessories.

4.2. Battery Care

- To maximize battery lifespan, avoid extreme temperatures.
- If the device will not be used for an extended period, charge the battery to about 50% before storage.
- The battery is user-replaceable; refer to Section 2.2 for installation instructions.

4.3. Software Updates

Regularly check for and install software updates to ensure optimal performance, security, and access to new features.

- Go to Settings > System > System update.
- Follow the on-screen instructions to download and install any available updates.
- Ensure the device has sufficient battery charge and a stable internet connection during updates.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; faulty battery; power button issue.	Charge the device for at least 30 minutes. Ensure battery is correctly installed. Contact support if issue persists.
Barcode scanner not working.	Scanner application not open; barcode damaged; incorrect scanning distance.	Open the scanning application. Ensure barcode is clean and within optimal range. Check scanner settings.
Cannot connect to Wi-Fi.	Incorrect password; out of range; router issue.	Verify Wi-Fi password. Move closer to the router. Restart the router and device.
Touchscreen unresponsive.	Software glitch; physical damage; wet screen.	Restart the device. Ensure screen is dry and clean. If damaged, contact support.

6. SPECIFICATIONS

Feature	Detail
Model Number	PDA Q900
Operating System	Android 14
Processor	Octa-core MT8781
RAM	4GB
Storage	64GB (expandable via microSD up to 1TB)
Display	5.99" HD IPS Touchscreen
Barcode Engine	Honeywell HS7 (1D/2D Scanning)
Rear Camera	13MP

Feature	Detail
Front Camera	8MP
Battery	5000mAh (up to 13.5 hours working time)
Connectivity	4G LTE (Dual SIM), Wi-Fi 5 (Dual Band), Bluetooth 5.2, GNSS (GPS, GLONASS, Galileo, Beidou), NFC
Durability Rating	IP67 (Water and Dust Resistant), 1.5m Drop-tested
Dimensions	0.71 x 2.6 x 6.61 inches (18 x 66 x 168 mm)
Item Weight	12.3 ounces (348 grams)

Figure 6.1: The NETUM Q900's IP67 rating ensures protection against water, dust, and drops, making it suitable for harsh environments.
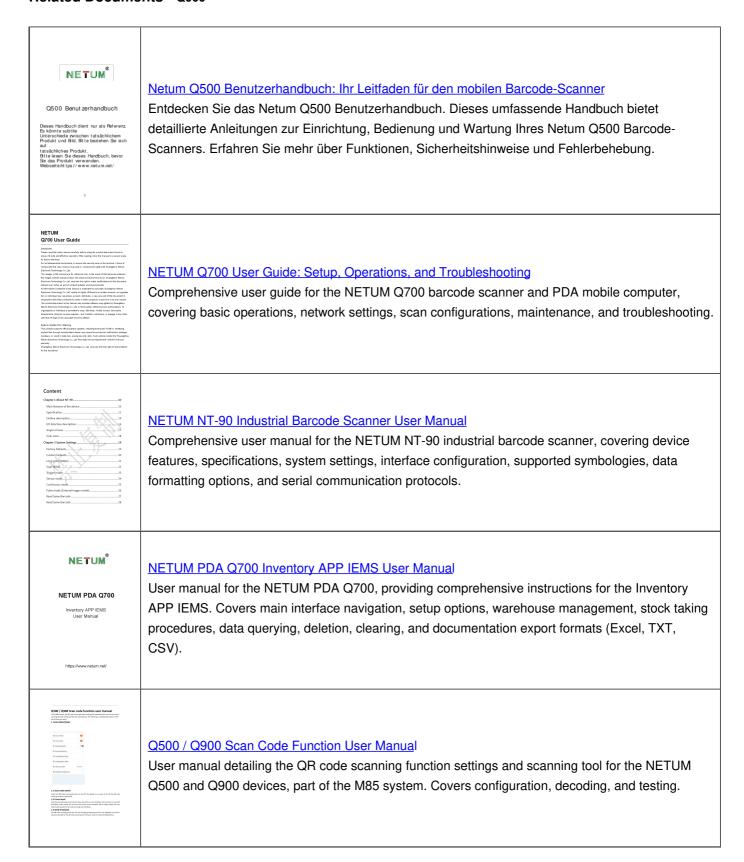
7. WARRANTY AND SUPPORT

NETUM products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official NETUM website.

Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - Q900

NETUM® Q500 Benutzerhandbuch Dieses Handbuch dient nur als Referenz. Es könnte subtile Unterschiede zwischen tatsächlichem Produkt und Bild. Bitte beziehen Sie sich auf tatsächliches Produkt. Bitte lesen Sie dieses Handbuch, bevor Sie das Produkt verwenden. Webseite:https://www.netum.net/	[Netum Q500 Benutzerhandbuch: Ihr Leitfaden für den mobilen Barcode-Scanner](#) Entdecken Sie das Netum Q500 Benutzerhandbuch. Dieses umfassende Handbuch bietet detaillierte Anleitungen zur Einrichtung, Bedienung und Wartung Ihres Netum Q500 Barcode-Scanners. Erfahren Sie mehr über Funktionen, Sicherheitshinweise und Fehlerbehebung.
NETUM **Q700 User Guide**	[NETUM Q700 User Guide: Setup, Operations, and Troubleshooting](#) Comprehensive user guide for the NETUM Q700 barcode scanner and PDA mobile computer, covering basic operations, network settings, scan configurations, maintenance, and troubleshooting.
Content	[NETUM NT-90 Industrial Barcode Scanner User Manual](#) Comprehensive user manual for the NETUM NT-90 industrial barcode scanner, covering device features, specifications, system settings, interface configuration, supported symbologies, data formatting options, and serial communication protocols.
NETUM® **NETUM PDA Q700** Inventory APP IEMS User Manual https://www.netum.net/	[NETUM PDA Q700 Inventory APP IEMS User Manual](#) User manual for the NETUM PDA Q700, providing comprehensive instructions for the Inventory APP IEMS. Covers main interface navigation, setup options, warehouse management, stock taking procedures, data querying, deletion, clearing, and documentation export formats (Excel, TXT, CSV).
Q500 / Q900 Scan code function user manual	[Q500 / Q900 Scan Code Function User Manual](#) User manual detailing the QR code scanning function settings and scanning tool for the NETUM Q500 and Q900 devices, part of the M85 system. Covers configuration, decoding, and testing.

[NETUM H8 2D Wireless Barcode Scanner with Charging Base - Technical Specifications](#)
Detailed technical specifications for the NETUM H8 2D Wireless Barcode Scanner with Charging Base, covering scan performance, wireless parameters, electrical specifications, physical properties, operating environment, and safety regulations.