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> NF-8504 PoE Cable Tester – Continuity, Length, Port Flash & PoE Diagnostics, 2.4" Full-Color LCD Display Network Cable Tester Rapid Response Reliable Result

## YuqiaoTime YQ-NF-8504

# NF-8504 PoE Cable Tester User Manual

Model: YQ-NF-8504

## INTRODUCTION

The NF-8504 PoE Cable Tester is a versatile and essential tool for network professionals, designed to provide rapid and reliable results for various cable testing needs. Featuring a 2.4-inch full-color LCD display, it offers comprehensive diagnostics including continuity, length measurement, port flash, and Power over Ethernet (PoE) testing. This manual provides detailed instructions for the setup, operation, and maintenance of your NF-8504 PoE Cable Tester.



Figure 1: NF-8504 PoE Cable Tester main unit and remote identifier.

## WHAT'S IN THE BOX

Upon opening the package, please verify that all the following components are included:

- NF-8504 Transmitter (Main Unit)
- NF-8504 Receiver (Remote Unit)
- User Manual
- Type-C USB Charging Cable
- Gift Box
- Carry Bag
- Lithium Battery Precautions Card
- Qualification Certificate



POE cable tester	1pc	Remote	1pc
Gift Box	1pc	User Manual	1pc
Carry bag	1pc	Type-C cable	1pc
Lithium Battery Precautions Card	1pc	Certificate	1pc

Figure 2: All components included in the NF-8504 PoE Cable Tester package.

## SETUP

Before first use, ensure the NF-8504 main unit is fully charged. Use the provided Type-C USB cable to connect the tester to a compatible USB power source. The charging indicator on the device will show the charging status. Once charged, the device is ready for operation.

## OPERATING INSTRUCTIONS

The NF-8504 offers several testing modes accessible via its intuitive interface and 2.4-inch full-color LCD display.

# 2.4 Inch Color Screen Display

Quickly Troubleshoot

Network Cables and Test Key Data, Clear to See



Figure 3: The 2.4-inch full-color LCD display provides clear test results and navigation.

## 1. Continuity & Wiremap Testing

This function allows for quick verification of CAT5/CAT6 cable integrity. It identifies open circuits, short circuits, and miswiring, ensuring proper cable connections.

- Connect one end of the network cable to the 'CONT' port on the main unit.
- Connect the other end to the remote unit.
- Select the 'CONT' mode on the tester to initiate the wiremap test. The display will show the wiring sequence and any faults.

## 2. PoE Testing (DC 5-60 V)

The tester supports IEEE802.3af/at/bt standards and non-standard loads, ensuring safe and accurate PoE power delivery diagnostics.

- Connect the network cable from the PoE source to the 'OUT' port on the main unit.
- Select the 'PoE Test' mode. The display will show voltage, polarity, and standard compliance.



Figure 4: The tester connected to a network switch for PoE testing, displaying voltage and power information.

### 3. Length Measurement (5-300 m)

Accurately pinpoints cable breaks or the distance to a fault up to 300 meters, saving time during cable installations or troubleshooting.

- Connect one end of the cable to the 'IN/Length' port.
- Select the 'LENGTH' mode. The tester will display the cable length or the distance to any detected fault.

# Length Measurement Range **5-300M**

Cable Length Measuring  
Focused on CAT5/CAT6



Figure 5: The NF-8504 displaying cable length measurement results.

## 4. Port Flash (10/100/1000 Mbps)

Quickly identifies active switch ports and their duplex mode (full/half) by flashing the link LEDs on the connected switch.

- Connect the tester to a switch port using a network cable.
- Select the 'Flash' mode. The tester will send signals to make the corresponding port's LED on the switch flash, indicating its location and speed.

# PORT FLASH Easy to Find Target Port

Maximum Transfer  
Rate of the Switch

Testing Duplex mode of Switch  
(Full Duplex/ Half Duplex)

10M  
100M  
1000M



Figure 6: The tester connected to a network switch, demonstrating the port flash function to identify the port.

## 5. Remote Continuity Alignment

The detachable RJ45 remote unit allows for checking cable sequence in-wall or across patch panels, streamlining installation and troubleshooting.

- Connect one end of the cable to the main unit and the other end to the remote unit.
- Perform a continuity test to verify the correct wiring sequence.

# REMOTE CONTINUITY

## Check Network Cable Sequence

Testing LAN Cable Continuity

8P Cable  
Calibration

9P Cable  
Calibration



Figure 7: The NF-8504 main unit and remote unit connected for remote continuity testing.

### 6. Anti-Burning Protection ( $\leq 60$ V)

The device is equipped with protection against accidental live voltage up to 60V, safeguarding the tester and prolonging its lifespan.



Figure 8: Visual representation of the anti-burning protection feature, indicating safety up to 60V.

## 7. Rechargeable Battery and Auto-Off

The integrated 3.7V 1500mAh rechargeable battery provides extended operational hours. The auto-off feature conserves battery life by powering down the device after 5, 15, 30, or 60 minutes of inactivity, configurable in the settings.

## MAINTENANCE

To ensure the longevity and optimal performance of your NF-8504 PoE Cable Tester, follow these maintenance guidelines:

- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the tester to extreme temperatures, humidity, or direct sunlight.
- Store the device in its protective carry bag when not in use.
- Regularly charge the battery to maintain its health, even if not in frequent use.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel for any repairs.

## TROUBLESHOOTING

If you encounter issues with your NF-8504 PoE Cable Tester, consider the following common troubleshooting steps:

- **Device not powering on:** Ensure the battery is fully charged. If the issue persists, try charging with a different USB-C cable and power adapter.
- **Inaccurate test results:** Check that cables are properly connected to the correct ports. Ensure the remote unit is securely attached for continuity tests. Clean the RJ45 ports if necessary.
- **Display issues:** If the screen is dim or unresponsive, ensure the battery is charged. If the screen is damaged, contact support.
- **No Port Flash:** Verify the switch port is active and the cable is correctly connected. Ensure the switch supports the port flash function.

For issues not resolved by these steps, please refer to the support section.

## SPECIFICATIONS

Feature	Description
Model Number	YQ-NF-8504
Brand	YuqiaoTime
Power Source	Battery Powered (3.7V 1500mAh Rechargeable)
Display	2.4-inch Full-Color LCD
Continuity & Wiremap	CAT5/CAT6, Open/Short/Miswiring detection
PoE Testing	DC 5-60V, IEEE802.3af/at/bt, Standard/Non-standard loads
Length Measurement Range	5-300 meters
Port Flash Speed	10/100/1000 Mbps
Anti-Burning Protection	≤ 60V
Auto-Off	Configurable (5/15/30/60 minutes)
Color	Yellow
Manufacturer	SHENZHEN NOYafa TECHNOLOGY Co., LIMITED
Specification Met	CE

## WARRANTY INFORMATION

The NF-8504 PoE Cable Tester comes with a manufacturer's warranty. For EU customers, spare part availability is guaranteed for 2 years from the date of purchase. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the documentation provided with your product or contact the manufacturer directly.

## SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the manufacturer, SHENZHEN NOYafa TECHNOLOGY Co., LIMITED, or your authorized reseller. Please have your product model number (YQ-NF-8504) and purchase information ready when contacting support.

