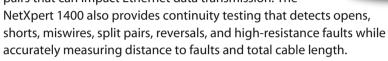
Quick Start Poster Net Xpert 1400

The NetXpert 1400 Ethernet Speed Certifier offers a complete solution to test copper cables. The NetXpert 1400 performs speed certification to test the data-carrying capabilities of electrical Ethernet network cable up to 1 Gb/s by testing for noise in the network, detecting faults in the cable wiring, and ensuring that cables are able to support the speed capabilities of active equipment.

To certify Ethernet speed performance of copper cable runs, the NetXpert 1400 handheld tester conducts Bit Error Rate (BER) tests by sending data packets down specified cable runs at defined data rates to check for errors at the maximum throughput of the link. The NetXpert 1400 also reports on signal quality that can impact high-speed data transmission by measuring signal to noise ratio (SNR). Skew measurements report on the signal time delay between pairs that can impact Ethernet data transmission. The



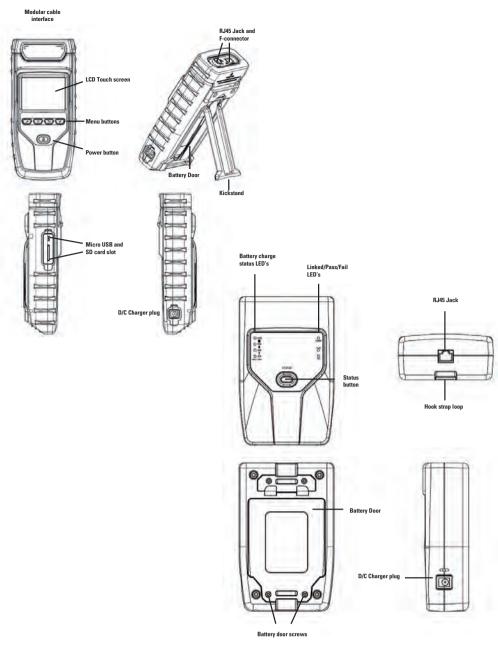
The NetXpert 1400 includes a comprehensive set of features for testing active network capabilities: measure Power over Ethernet (PoE) to ensure the correct power is available on the correct pins, use Port Discovery to ensure the correct speed and duplex capability are available; connect at Gigabit Ethernet and run Ping tests to verify connectivity to IP hosts; discover network devices using Cisco Discovery Protocol (CDP) or Link Layer Discovery Protocol (LLDP); VLAN discovery; Trace Route function displays the path internet packets travel to reach a specified destination. The NetXpert 1400 also saves test reports and exports to PCs.

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Controls



Menu Structure

The menu structure of the NetXpert 1400 is divided in 5 sub menus containing various operating options



System Settings

- IPv4 Setup
- Display Settings
- Time and Date
- Timeout Settings
- User Information
- Firmware Management
- Firmware/Hardware Versions



Cable Test

- Test Options
- Cable Type
- Cable Test (TP/Coax)
- Cable Faults
- Saving/Managing Results



Link Test

- Port Discovery
- PoE Test
- Tone
- Link Light



Network Test

- DHCP
- Ping
- Trace Route
- VLAN
- Discovery Protocols



File Manager

- Renaming
- Deleting
- Transferring

Operation

On/Off

- Turn NetXpert 1400 on by pressing the Power button
- Tap the Power button to put the NetXpert 1400 in sleep mode.
- Press and hold the Power button to power the unit off.

Buttons and Touch Screen

The NetXpert 1400 features buttons and a full color capacitive touch screen to allow easy navigation.

Touch an icon to select an option



Touch and drag a list to scroll up or down or touch the Up/Down arrows.



The NetXpert 1400 buttons assist with Navigation, starting and stopping a test.

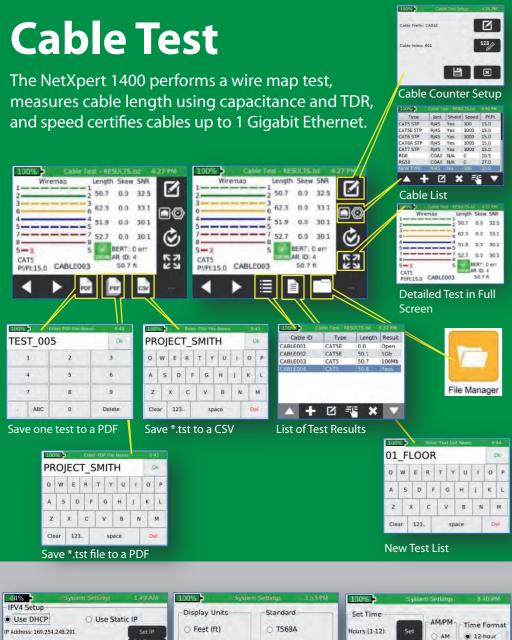
Settinas Home Back Test

Settings The Settings button will display the settings menu. Pressing the settings while in the settings menu will display additional menu screens.

Home The Home button will display the home screen from any menu.

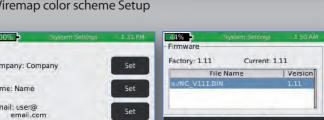
Back The Back button will display the previous screen.

Test The Test button will start/stop a test.





Display Units, Brightness and **IPv4** Parameter Setup Wiremap color scheme Setup



Standby and Shutdown Setup Company Details Setup

Standby (1-10min.): 10 min.

System Shutdown (1-8 hr.): 4 h

Firmware Versions available

2

Time and Date Setup

System Settings

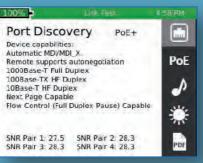
The NetXpert 1400 Setup consists of 7 screens to configure the unit to the user's preference. Use the Settings button **to** navigate through the settings screens.



Firmware and Hardware Status

Link Test

The Link Test menu displays Ethernet port services provided by an active switch, router, or NIC.



Port Discovery and Capability

Toner for Tracing and

Cable Test Menu

Link Test Menu

■ © Cable Type

+ Add

Edit

123 Edit Index

× Delete

Select Select

▲ Page Up

Previous

List

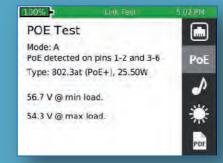
Page Down

File Manager

New File

Port Location

Tone



PoE

1

Power over Ethernet Test

Link Light

Active Port Location

via Blinking Status LED

Save *.tst file as CSV

ô Ping Test

DHCP DHCP request

Trace route

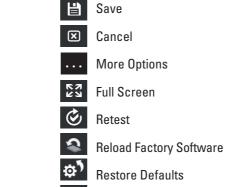
◆ Tone Test

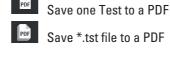
PoE PoE Test

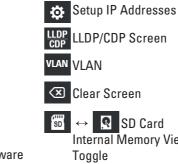
Blink Link Light



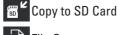
File Manager Menu System Settings Menu Save





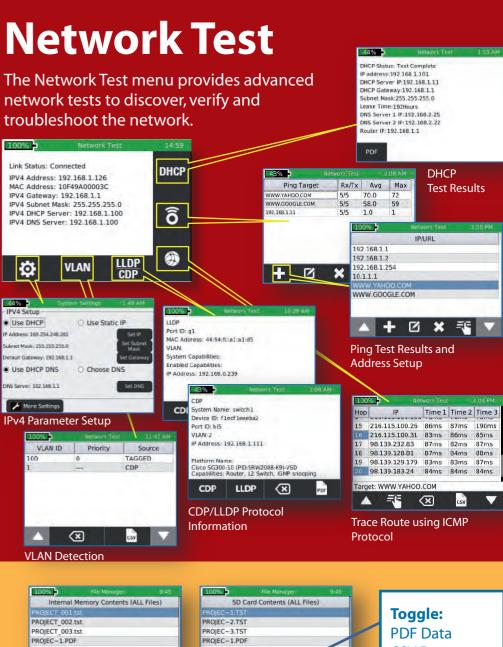








Copy to Internal Memory







Toggle between Internal Memory - Memory Card



File Manager

The File Manager contains saved PDF, CSV, and TST test files. In this menu, they can be renamed, deleted, or transferred between internal, external memory, and PC/Tablet.

