IDEAL NETWORKS

More than a qualifier

NOW WITH TOUCHSCREEN



SignalTEK NT

Copper and Fibre Network Transmission Tester

Proof of Performance

SignalTEK NT

Network
Transmission Tester

More than a qualifier

If you install, maintain or troubleshoot data cabling and Ethernet networks, SignalTEK NT allows you to prove the performance up to Gigabit Ethernet transmission rates.

By simulating actual network traffic users are able to test and document network and data cable performance to Gigabit Ethernet standards.

Where system warranties are not required the SignalTEK NT is a cost effective way of proving your copper and fibre networks provide error-free performance.



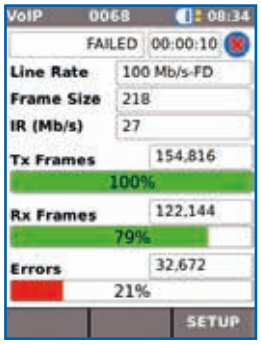
No calibration required plus replaceable RJ45 contacts

Transmission testing proves real performance

There is no industry standard defining the testing requirements of cable qualifiers, consequently passing a qualification test does not prove that the installed structured cabling will provide flawless data transmission.

Uniquely, SignalTEK NT utilises a test method known in wide area networks as transmission testing to prove the performance of a network by sending real Ethernet data frames through the cabling and/or network devices to compare the error rate against the IEEE802.3ab Gigabit Ethernet standard. This provides a clear standards based Pass/Fail of the link being tested.

SignalTEK NT requires no configuration from the user as the two handsets automatically pair ready for testing; just select a usage scenario to simulate the appropriate service, from VoIP to CCTV, Video, and web traffic.



VoIP fail - 21% packet loss

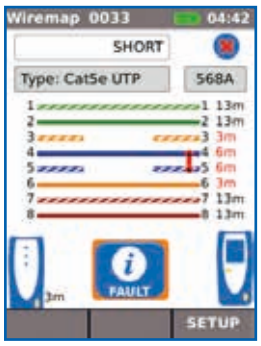
Installation testing

Cabling:

- Network traffic performance test on copper and fibre to IEEE802.3ab standard
- Wiremap test for open, shorts, miswires and split pairs to TIA-568 standard
- Gigabit link verification for copper and fibre cabling
- Use a list of wiremap templates for common Ethernet cable types including CAT 6A/7A/8, and non-Ethernet cable, such as Profinet and ISDN.

Active network:

- Network load testing through switches simulating CCTV/IPTV/VoIP/Web traffic
- PoE/PoE+ verification that displays available voltage at device location
- Check Ethernet connectivity at device location to 10/100/1000 Mb/s
- Verify network configuration (device IP/gateway address/subnet mask)
- Switch port identification via LLDP/CDP protocols



Wiremap test displaying open and short

Troubleshooting/diagnostics

Cabling:

- Distance to fault using TDR technology (copper only)
- Ability to identify and trace cables with a compatible amplifier probe (62-164)
- Optical power indication (with compatible SFP modules)

Active network:

- Network load testing through switches simulating CCTV/IPTV/VoIP/Web traffic
- Stress test network before installing bandwidth hungry devices
- Port blink to visually trace cable from work area outlet to network switch
- Displays port ID of LLDP/CDP enabled switches to eliminate manual cable tracing
- Identify network connection problems as hardware, network or configuration faults
- Ping local network devices and Internet URL's
- Count number of hops between network points with traceroute tests
- PoE load testing to confirm available power meets PoE device requirements

Send test reports from anywhere using the free app

IDEAL AnyWARE



Step 1

Test

- Create job folder
- Enter job site information
- Perform autotest on copper/fibre cabling and copper/fibre networks

Step 2

Connect

- Activate SignalTEK NT wireless hotspot
- Connect your mobile phone or tablet with the IDEAL AnyWARE App
- Transfer test reports to your mobile device
- View test reports

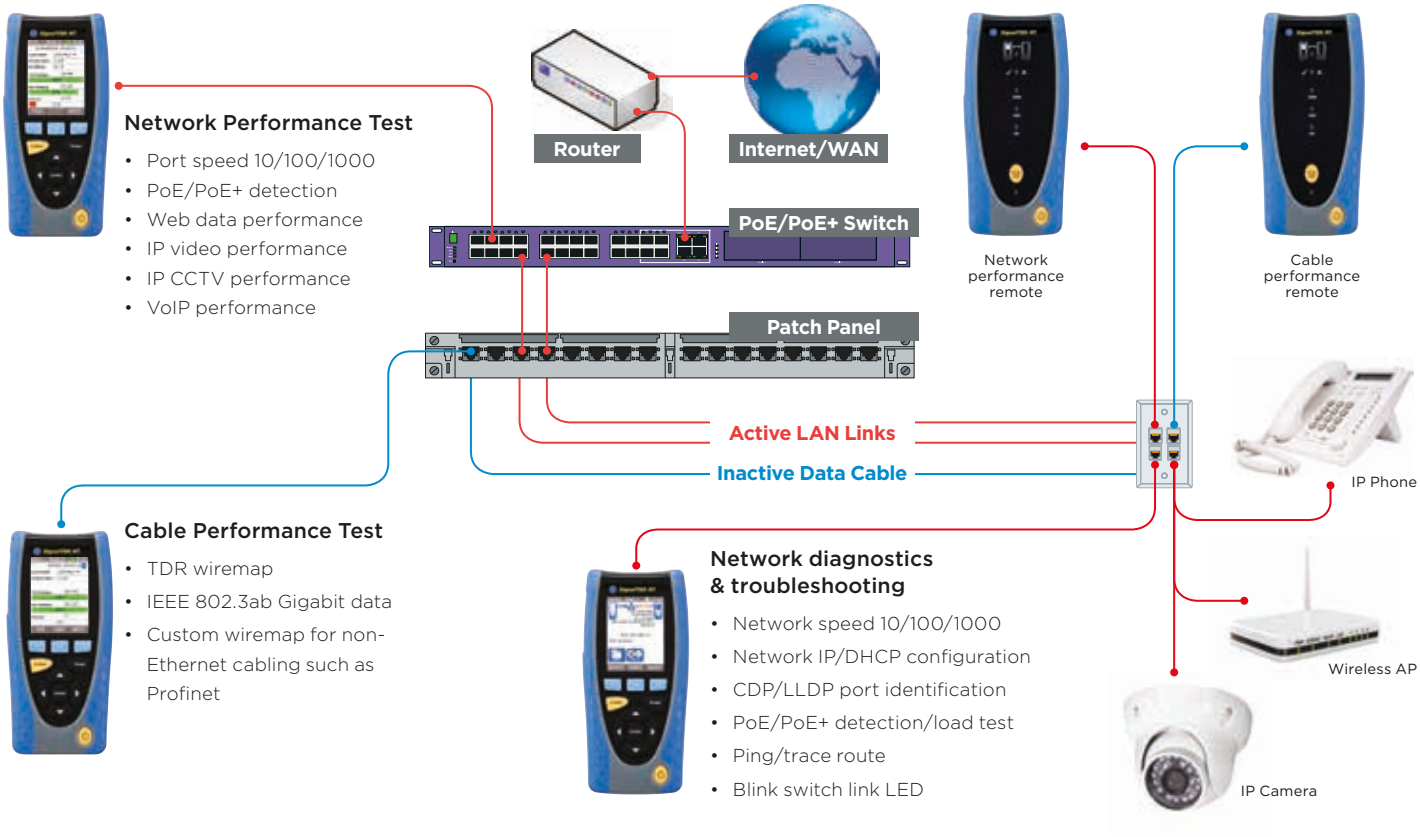
Step 3

Send

- Select reports (PDF or CSV) to send
- Select preferred transfer method – email, ftp, cloud storage etc.
- Send file
- Alternatively save test reports to USB key

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Network Performance Test

- Port speed 10/100/1000
- PoE/PoE+ detection
- Web data performance
- IP video performance
- IP CCTV performance
- VoIP performance

Cable Performance Test

- TDR wiremap
- IEEE 802.3ab Gigabit data
- Custom wiremap for non-Ethernet cabling such as Profinet

Network diagnostics & troubleshooting

- Network speed 10/100/1000
- Network IP/DHCP configuration
- CDP/LLDP port identification
- PoE/PoE+ detection/load test
- Ping/trace route
- Blink switch link LED

SignalTEK NT



Network Transmission Tester

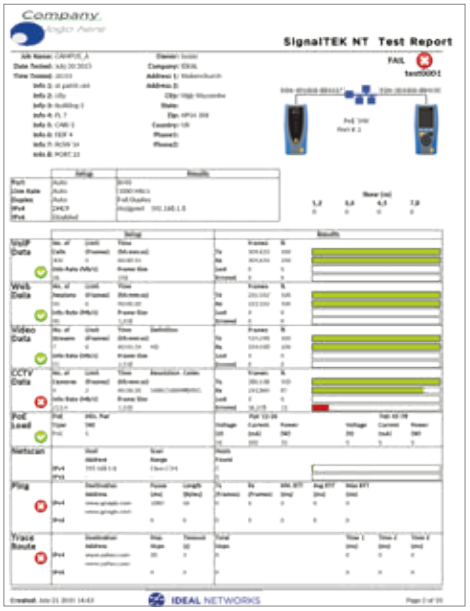
More than a qualifier

Test Reporting

SignalTEK NT automatically generates test reports in PDF or CSV format.

The summary page of each report can be customised to include logo, company and operator details. Choose between 3 different reports that can show either passed, failed or all test reports in each report:

- Summary
- Brief
- Full (see example on the right side)



Ordering Information

Part No.	Kit Contents
R156005	**SignalTEK NT** – Network Transmission Tester. Includes 1 x display with touchscreen, 1 x remote, 2 x NiMH batteries, 2 x patch cables - 30cm, Cat 5e STP, 2 x power supply with EU/UK/US adapters, 1 x USB Wi-Fi adapter, 1 x quick reference guide, 1 x carry case

For the copper only version without network troubleshooting, please check out our SignalTEK CT

Optional Accessories

Part No.	Description
MGKSX1	1 x 1000BASE-SX Fibre kit*. Includes 850nm SFP (Small Form factor Pluggable) SX transceiver, LC/LC and LC/SC duplex multimode cables and SC/SC duplex adapter
MGKLX2	1 x 1000BASE-LX Fibre kit*. Includes 1310nm SFP (Small Form factor Pluggable) LX transceiver, LC/LC and LC/SC duplex singlemode cables and SC/SC duplex adapter
MGKZX3	1x 1000BASE-ZX Fibre kit*. Includes 1550nm SFP (Small Form factor Pluggable) ZX transceiver, LC/LC and LC/SC duplex singlemode cables and SC/SC duplex adapter
62-164	1 x IDEAL amplifier probe
150058	1 x RJ45 insert extraction tool, 10 x lifejack RJ45 inserts

For replacement accessories, please visit our website.

* 2 required for Gigabit transmission testing.

Basic Specifications

Max. No. of Jobs	Max. No. of Stored Test	Max. Length	Battery Life	Dimensions per handset in mm	Weight per handset
50	5000	181 m/593 ft.	5 hours	175 x 80 x 40	0.4 kg

For detailed specifications, please visit our website.

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