



NaviTEK NT

Copper and Fibre Network Troubleshooter

NaviTEK NT

Network Troubleshooter

The NaviTEK NT is a network tester for troubleshooting and maintenance of active and passive copper and fibre networks. Incorporating an improved graphical interface NaviTEK NT allows network technicians to pinpoint and solve network connectivity issues faster than ever before. Subsequently, tests can be saved as pdf reports and shared with colleagues and clients using the free IDEAL AnyWare™ app.

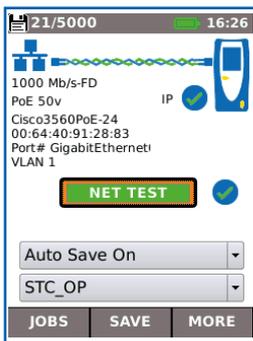


Addressing the needs of today's network technicians

Today, network technicians have a broad selection of software troubleshooting tools at their disposal and whilst useful in certain situations and environments they do have limitations. NaviTEK NT on the other hand offers a comprehensive suite of test and troubleshooting functionality only found on dedicated hand-held testers:-

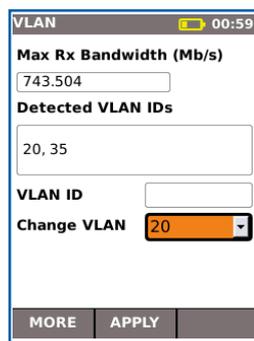
- Copper and fibre test interfaces
- Fast detection of link and IP information including duplex, speed, port ID, VLAN, DNS, DHCP, Gateway status and IP address
- Detects services such as ISDN, POTS and PoE
- Accurate wire mapping including length measurement and distance to fault
- Rugged, compact design permits use in confined spaces
- Not susceptible to virus and malware attack

Port & network summary info



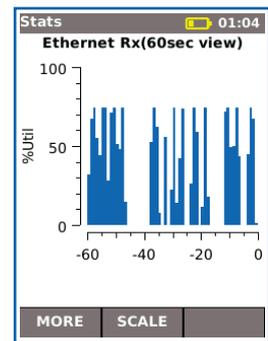
Press the Autotest button to display summary information and allow for detailed inspection of network parameters.

VLAN detection & operation



Automatic detection of VLAN ID's allows the user to configure NaviTEK NT for operation on a VLAN.

Ethernet utilisation



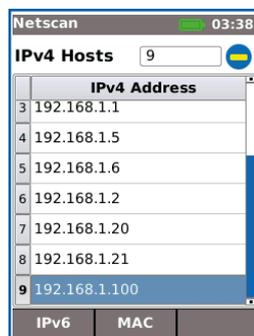
Real time display of broadcast network traffic shown as a percentage of port speed for the previous 60 minutes.

CDP/LLDP/EDP port information



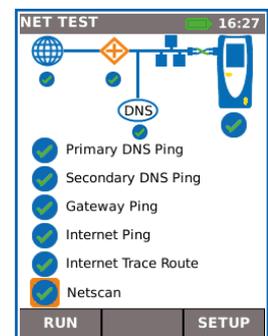
Show port information using Cisco Discovery Protocol (CDP), Link Layer Discovery Protocol (LLDP) and Extreme Discovery Protocol (EDP).

Netscan



Display list of IP and MAC addresses of every device connected to the network.

Network Probe

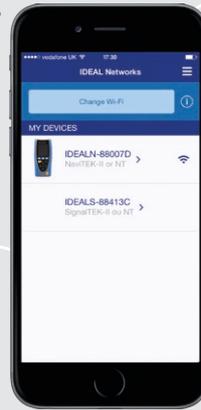


View network illustration to verify test results of each network component.

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 NaviTEK 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

Download the FREE App today



NavITEK NT

Performs tests for copper cabling and networks, including:

- Display network configuration - IPv4 / IPv6 compatible
- Advanced wiremap for miswires, split pairs, opens and shorts
- Distance to opens and shorts (TDR)
- PoE/PoE+ detection
- Tone generator for cable tracing
- Ping and Traceroute testing
- Hub blink for port identification
- DHCP client
- Switch detection - 10/100/1000 Mb/s
- User-exchangeable RJ45 inserts
- Support for up to 12 wiremap remotes
- Backlit colour screen

NavITEK NT Plus

All the features of NavITEK NT as well as:

- Autotest button performs a suite of network tests
- Network Probe provides detailed port and network information of each device
- Port identification using EDP/CDP/LLDP protocols
- VLAN detection and support
- Network scan
- Traffic utilisation bar graph
- Internal memory for 5000 test reports
- Generate test reports (PDF or CSV)
- Sent test reports from your mobile device using the free IDEAL AnyWARE App

NavITEK NT Pro

All of the features of NavITEK NT Plus as well as:

- Fibre optic cable interface
- Logon using the 802.1x protocol
- Optical interface with power indication

NavITEK NT

Network Troubleshooter

Test Reporting

NavITEK 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
R153001	NavITEK NT - Network Troubleshooter. 1 x NavITEK NT test unit, 1 x Remote unit No. 1, 4 x AA dry cell batteries (non-rechargeable), 2 x Patch cables - 30cm, Cat. 5e STP, 1 x Quick reference guide, 1 x Carry case
R151003	NavITEK NT Plus- Network Troubleshooter. 1 x NavITEK NT Plus test unit, 1 x Remote unit No. 1, 1 x Rechargeable Power Module, 1 x PSU EU/UK/US adaptors, 2 x Patch cables - 30cm, Cat. 5e STP, 1 x USB Wi-Fi adapter, 1 x Quick reference guide, 1 x Carry case
R151004	NavITEK NT Pro - Network Troubleshooter. 1 x NavITEK NT Pro test unit, 1 x Remote unit No. 1, 1 x Rechargeable Power Module, 1 x PSU EU/UK/US adaptors, 2 x Patch cables - 30cm, Cat. 5e STP, 1 x USB Wi-Fi adapter, 1 x Quick reference guide, 1 x Carry case

NavITEK-NT Test Report

Job Name: Building_5
Date Tested: October 21 2015
Time Tested: 13:50
Info 1: ST Johns_Inst
Info 2: POBTE_7
Info 3: R0WV_24
Info 4: RAKX_3
Info 5: WLAN_ACCESS
Info 6: CHAMNS_303M1
Info 7: FLOOR_23
Info 8: THAMES_ESTATE

Owner: Tester
Company: IDEAL NETWORKS
Address 1: 350KENNINGTONCHRD
Address 2: OXFORD ROAD
City:
State:
Zip:
Country: UK
Phone1: 084444848472
Phone2:

Tested: PASS
TestID: 0917
EIN: 005606-880070

System Name: Switch 3
System Description: C3745E3 (Profile: 48-port Gigabit E
IP Address: 172.20.1.4
Port Address: 08:00:20:00:00:00
Port Description: g25
Capabilities: S
VLAN:
PoE Power (W):

Port	Line Rate	Duplex	IPv4	IPv6
Auto	Auto	Auto	Full Duplex	Assigned
172.20.20.24			Assigned	2001:505:1501:0002:16:aff:fe8b:7d

Detected VLAN IDs

Pair	12-34	Pair	45-78
Voltage (V)		Voltage (V)	
Current (mA)		Current (mA)	
Power (mW)		Power (mW)	

Primary DNS Ping

Type	Destination	Pauses	Length (bytes)	Tx (Packets)	Rx (Frames)	Min RTT (ms)	Avg RTT (ms)	Max RTT (ms)
Auto	172.20.1.1	1000	64	3	3	1.2	1.2	1.2

Secondary DNS Ping

Type	Destination	Pauses	Length (bytes)	Tx (Packets)	Rx (Frames)	Min RTT (ms)	Avg RTT (ms)	Max RTT (ms)
Auto	172.22.3.1	1000	64	3	3	40	49.6	64.3

Gateway Ping

Type	Destination	Pauses	Length (bytes)	Tx (Packets)	Rx (Frames)	Min RTT (ms)	Avg RTT (ms)	Max RTT (ms)
Auto	172.20.0.3	1000	64	3	3	1.1	1.3	1.4

Internet Ping

Type	Destination	Pauses	Length (bytes)	Tx (Packets)	Rx (Frames)	Min RTT (ms)	Avg RTT (ms)	Max RTT (ms)
Manual	www.google.com	1000	64	3	3	4.4	5.2	6.4

Trace Route

Type	Destination	Max Hops	Timeout (s)	Total Hops	Time 1 (ms)	Time 2 (ms)	Time 3 (ms)
Auto	www.google.com	30	3	4	4.229	4.68	3.904

NetScan

IP Address	MAC Address	Scan Range	Max Hosts	Hosts Found
172.20.20.20	08:00:20:00:00:00	172.20.20.20	256	25
172.20.20.26	54:00:71:16:98:7a	172.20.20.26	256	25
172.20.20.46	50:07:09:3a:6e:9f	172.20.20.46	256	25
172.20.20.51	44:58:16:4f:03:17	172.20.20.51	256	25
172.20.20.53	5c:00:10:00:00:00	172.20.20.53	256	25
172.20.20.67	10:78:42:4f:26	172.20.20.67	256	25
172.20.20.88	a4:81:27:74:4b:21	172.20.20.88	256	25
172.20.20.83	54:00:71:16:98:7a	172.20.20.83	256	25

Created: October 21 2015 22:28 IDEAL NETWORKS Page 19 of 25

Optional Accessories

Part No.	Description
MGKSX1	1 x 850nm SX MM SFP + fibre patch cord accessories kit
MGKLX2	1 x 1310nm LX SM SFP + fibre patch cord accessories kit
MGKZX3	1 x 1550nm ZX SM SFP + fibre patch cord accessories kit
150058	RJ-45 replacement kit - Pack of 10 replacement inserts with extraction tool

For a full list of optional accessories, please visit our website.

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.



Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

Android is a trademark of Google Inc.

All Rights Reserved. IDEAL, IDEAL NETWORKS, IDEAL AnyWARE and the NavITEK logos are trademarks or registered trademarks of IDEAL INDUSTRIES LIMITED or IDEAL INDUSTRIES, INC.

IDEAL INDUSTRIES NETWORKS DIVISION
Unit 3, Europa Court, Europa Boulevard, Warrington, Cheshire, WA5 7TN, UK.

Tel. +44 (0)1925 444 446 | Fax. +44 (0)1925 445501
uksales@idealnwd.com

www.idealnetworks.net



A subsidiary of
IDEAL INDUSTRIES INC.



Specification subject to change without notice. E&OE

© IDEAL Networks 2015
Publications no: 151851, Rev. 1