Net Chaser™
Ethernet Speed Certifier

Test and Speed Certify Ethernet Network Cables to 1 GB

MADE IN USA

The Net Chaser™ Ethernet Speed Certifier offers a complete solution to test and speed certify the data-carrying capabilities of Ethernet network cables 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.

- **Speed Certification to IEEE standards 802.3**
- **Cable testing to TIA 568A/B**

The Net Chaser's advanced discovery gives the clearest vision of network layout and interfaces between active components like servers, switches, routers, etc. Saves test reports and exports to PC's in PDF or CSV format.

- **Pings specific IPs or URL addresses**
- **DHCP**
- **Traceroute**
- **VLAN**
- **Network Mapping**

P/N	Description	UPC Code
TNC950AR	Net Chaser™ Ethernet Speed Certifier	849160008309
TNC950DX	Net Chaser™ Deluxe Test Kit	849160009023

MORE INFO:
- DEMO
- WHITE PAPER
- TEST REPORTS
- USER GUIDE

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Distribution:
PureLink GmbH

Available from B2B Online Portal oneAV.eu

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TNC950AR

P/N TNC950AR

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Net Chaser™

TNC950AR

Kit Includes:

- Net Chaser™ Main Unit
- Active Remote
- Power Supply (2) (NA/EU/AU/UK)
- 8 GB SD Card
- Micro USB
- Network FTP Patch Cable, 12" Cat5e (2)
- RJ45 Port Saver (2)
- Hanging Strap and Clip (2)
- Large Carrying Case
- F-Connector (F81)
- User Manual

Optional Accessories

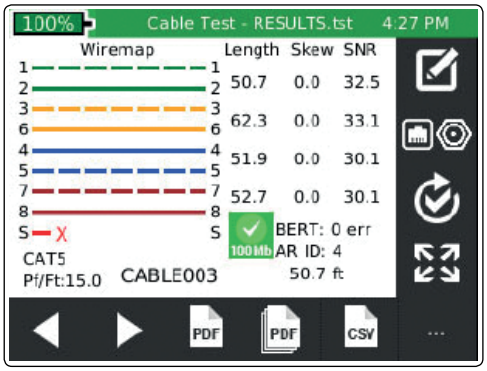
Model	Description
T138	#1-8 Network Testing and ID Remotes
TRK120	#1-20 ID Only Coax Remotes
TRK220	#1-20 ID Only Network Remotes
TAK030	Network Accessory Kit (includes: (4) Network patch cables 1ft., (2) RJ45 to 8 way alligator clips, (2) F-Jack to BNC adaptor, (2) RJ45 Port Savers
TAR104	Net Chaser Active Remote with selectable #1 to #4 ID's
TP150	Tone & Probe
TPS120	AC to DC Power Supply: 12V 2.5A inter plugs
21025	RJ45 Port Saver
TCA015	24 inch cable assembly 8-Way alligator clips to RJ45
TCA016	Network FTP Patch Cable, 12" Cat5e (2)
AK010	Hanging strap with carabineer clip
18301	F-Connector coupler (F81)
4007	Hanging pouch
T66006B	Replacement Li-ion Rechargeable Battery
4076	Net Chaser Protective Hard Case

PLATINUM TOOLS

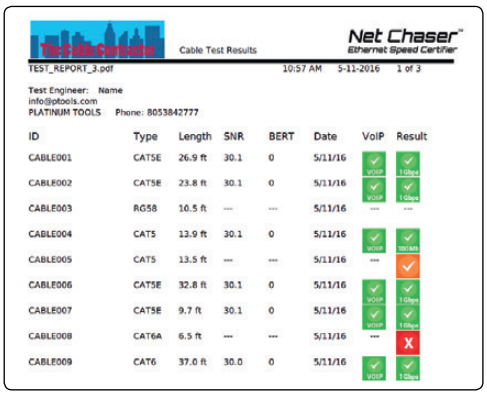
- *Speed Certification to IEEE standards 802.3*
- *Cable testing to TIA 568A/B*
- *Active network testing*
- *Pings specific IPs or URL addresses*

Cable Testing

To certify Ethernet speed performance of cable runs, the Net Chaser™ conducts Bit Error Rate (BER) tests (using Active Remote) by sending data packets down specified cable runs at defined data rates to check for errors at the maximum throughput of the link. The Net Chaser™ 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 Gigabit data transmission. Finally, the Net Chaser™ unit provides continuity testing that detects opens, shorts, miswires, split pairs, reversals, and high-resistance faults while accurately measuring distance to faults and total cable length.



Sample Screen

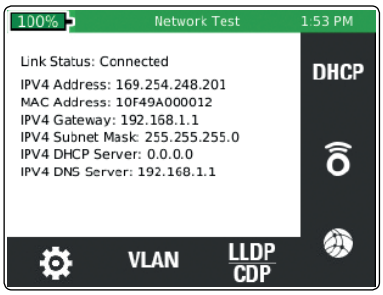


Cable Test Report with Company Logo

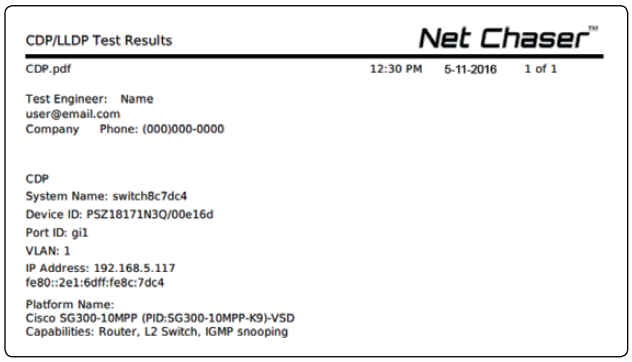
Network Configuration and Capability Testing

The Net Chaser™ 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 Network Mapping, Cisco Discovery Protocol (CDP) or Link Layer Discovery Protocol (LLDP); VLAN discovery; Traceroute function displays the path internet packets travel to reach a specifi ed destination. The Net Chaser™ also saves test reports and exports to PC's.

- Active Ethernet (Link Capability and Link Status)
- Detects PoE/PoE+ and load test for voltage drop
- Ping to a specific IP or URL address
- Ping up to 8 addresses at a time
- IPV4 Support
- VLAN Discovery
- Link Light
- DHCP
- Discovers CDP and LLDP Protocols
- Traceroute
- Network Mapping



Sample Screen



Active Network Test Report

Net Chaser™
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PLATINUM TOOLS®

Net Chaser™ Deluxe Test Kit

TNC950DX – Kit includes:

- Net Chaser™ Main Unit
- Net Chaser™ Active Remote
- Power Supply (2) (NA/EU/AU/UK)
- 8 GB SD Card
- Micro USB Cable
- Network FTP Patch Cable, 12" Cat5e (4)
- RJ45 Port Saver (2)
- Cable Assembly, RJ45 to 8 Way Alligator Clip (2)
- F-Jack to BNC Adapter (2)
- Hanging Strap and Clip (2)
- Hanging Pouch
- Protective Hard Case

Physical Features

- 3.5" Color Touch Screen Display
- Compact Form Factor
- 3rd Generation Rechargeable Lithium-Ion Batteries
- Benchtop, Handheld, or Hung Up
- Uses Modular Cable Interfaces
- SD Card for Data File Transfer of Cable Tests
- Field-Upgradeable Firmware
- Built-in stand

Connectors

- 8-Position shielded modular jack (Data)
- F-coax (video)

Hanging Strap and Clip

Active Remote (TAR104)

- User-selectable ID #1-4
- Pass or fail indication
- Lithium-ion batteries

Signal Quality Testing

- Length of cable distance to Opens and Shorts
- SKEW
- Echo Testing (Return Loss) - impedance mismatches
- Signal to Noise Ratio
  - Attenuation - Amplitude - Return Loss

Performance and Speed Certification

- Supports IEEE 802.3 signal speed carrying specifications to 1 gigabit
- Test interconnect specifications per TIA 568/570
- Measures the quality of the signal through the cable against set criteria on cable data-carrying capability in real time; 100Mbit/gigabit speeds
- Real-time testing on the performance capability of the cable

Specifications

Length Measurement	Time Domain Reflectometry & Capacitance
Power	International plug adapters: (NA/EU/AU/UK): Input 100-240VAC 50/60Hz, Output 12VDC 2.5A DC Input Jack: 10-28VDC, 20 watts max Battery pack - Rechargeable Li-ion rated 7.8V, 5500mAh, initial capacity Battery life - Linked @ 1Gb - 8 hours minimum
Output Connectors	8-Position shielded modular jack (Data) F-coax (video)
Interfaces	Micro USB, SD flash card
Languages	EN, FR, ESP, DEU, ITA
Battery Life	Battery pack - Rechargeable Li-ion rated 7.8V, 5500mAh, initial capacity Battery life - Linked @ 1Gb - 8 hours minimum Active, not linked - 20 hours
Altitude	10,000 ft. (3,048 m) operating
Temperature	Operating: -10 to 60°C Storage: -30 to 70°C
Humidity	10 to 90% non-condensing
Enclosure	High-strength PC/ABS plastic with V0 rating with boot
Size	2.41"H x 4.18"W x 9.03"L (6.12 x 10.61 x 22.94 cm)
Weight	With batteries: 1 lb 12 oz
Warranty	1 Year