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 NetChaser’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

<table>
<thead>
<tr>
<th>P/N</th>
<th>Description</th>
<th>UPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>TNC950AR</td>
<td>Net Chaser™ Ethernet Speed Certifier</td>
<td>849160008309</td>
</tr>
</tbody>
</table>
Net Chaser™
ETHERNET SPEED CERTIFIER

TEST AND SPEED CERTIFY
ETHERNET NETWORK CABLES TO 1 GB

Net Chaser™
TNC950AR

Includes:
- Net Chaser™ main unit
- Active remote
- Power supply (2) (NA/EU/AU/UK)
- 4 GB SD card
- Micro USB
- Network patch cable (2)
- RJ45 Port Saver (2)
- Hanging strap and clip (2)
- Large carrying case
- F-Connector (F81)
- User manual

Optional Accessories

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T138</td>
<td>#1-8 Network Testing and ID Remotes</td>
</tr>
<tr>
<td>TRK120</td>
<td>#1-20 ID Only Coax Remotes</td>
</tr>
<tr>
<td>TRK220</td>
<td>#1-20 ID Only Network Remotes</td>
</tr>
<tr>
<td>TAK030</td>
<td>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</td>
</tr>
</tbody>
</table>

- 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   1 ft. Network patch Cables (2 pcs)
- TAK010   Hanging strap with carabiner clip
- 18301   F-Connector coupler (F81)
- 4007    Hanging pouch

We Make Connections EZ!
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.

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

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

![Net Chaser Cable Test Results](image)

- Active Ethernet (Link Capability and Link Status)
- Detects PoE/PoE+ and load test for voltage drop
- IPv4 Support
- VLAN Discovery
- Ping to a specific IP or URL address
- Ping up to 8 addresses at a time
- Link Light
- DHCP
- Discovers CDP and LLDP Protocols
- Traceroute

![Net Chaser Network Test Results](image)
**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)

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length Measurement</strong></td>
<td>Time Domain Reflectometry &amp; Capacitance</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>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</td>
</tr>
<tr>
<td><strong>Output Connectors</strong></td>
<td>8-Position shielded modular jack (Data) F-coax (video)</td>
</tr>
<tr>
<td><strong>Interfaces</strong></td>
<td>Micro USB, SD flash card</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>EN, FR, ESP, DEU, ITA</td>
</tr>
<tr>
<td><strong>Battery Life</strong></td>
<td>Battery pack - Rechargeable Li-ion rated 7.8V, 5500mAh, initial capacity Battery life - Linked @ 1Gb - 8 hours minimum Active, not linked - 20 hours</td>
</tr>
<tr>
<td><strong>Altitude</strong></td>
<td>10,000 ft. (3,048 m) operating</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>Operating: -10 to 60°C Storage: -30 to 70°C</td>
</tr>
<tr>
<td><strong>Humidity</strong></td>
<td>10 to 90% non-condensing</td>
</tr>
<tr>
<td><strong>Enclosure</strong></td>
<td>High-strength PC/ABS plastic with V0 rating with boot</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>2.41”H x 4.18”W x 9.03”L (6.12 x 10.61 x 22.94 cm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>With batteries: 1 lb 12 oz</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>1 Year</td>
</tr>
</tbody>
</table>

**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