

# Net Prowler™

*Identify, monitor, and correct LAN issues*

Detects 10/100/1000 Base-T, IPV4/IPV6, VLAN, DHCP and more

The Net Prowler™ Cabling and Advanced Network Tester takes all the features and functionality of the Cable Prowler™ and adds the capability to identify, monitor, and troubleshoot LAN issues associated with physical layer and link conditions in the network.

- Supports IPV4 and IPV6 protocols
- Verifies DHCP connectivity and DNS throughput
- Pings IPV4, IPV6, and URL addresses
- CDP, LLDP, NDP, and VLAN detection
- Detects the presence of POTS and displays line voltage
- Detects presence of PoE and class of PoE per IEEE 802.3af/at with load test for voltage drop
- Detects and reports current link speed and link capabilities for active Ethernet drops up to 1 Gbps
- Link light to identify location on a hub/switch/router port
- Tests CAT3/5e/6/6a Ethernet cable configuration and verifies connectivity while conducting tests for opens, shorts, miswires, split pairs, and reverses
- Supports up to 8 testing and ID remotes for network & telephone cables
- Supports up to 20 network and coax ID-only mapping remotes
- Ability to define Network test name, cable name, save and print all results (cable testing and network testing)



| Pass   | Fail   | Network - PoE Testing  |                 |                   |          |                    |            |                    |            |                    |                     |                 |  |                 |
|--|--|--|-----------------|-------------------|----------|--------------------|------------|--------------------|------------|--------------------|---------------------|-----------------|--|-----------------|
| <p>T568B</p> <p>1 2 3 6 4 5 7 8 S</p> <p>PASS ID-3</p> <p>VoP 68.0 %</p> <p>Pair 1-2 Length = 46.1 ft</p> <p>Pair 3-6 Length = 46.6 ft</p> <p>Pair 4-5 Length = 46.6 ft</p> <p>Pair 7-8 Length = 46.6 ft</p> | <p>T568B</p> <p>1 2 3 6 4 5 7 8 S</p> <p>FAIL ID-1</p> <p>VoP 68.0 %</p> <p>Pair 1-2 Length = 5.5 ft</p> <p>Pair 3-6 Length = 5.7 ft</p> <p>Pair 4-5 Length = 5.8 ft</p> <p>Pair 7-8 Length = 5.5 ft</p> | <p>PoE</p> <table border="1"> <thead> <tr> <th>Link Capability</th> <th>Link Flow Control</th> </tr> </thead> <tbody> <tr> <td>10Base-T</td> <td>Full / Half Duplex</td> </tr> <tr> <td>100Base-TX</td> <td>Full / Half Duplex</td> </tr> <tr> <td>1000Base-T</td> <td>Full / Half Duplex</td> </tr> </tbody> </table> <p>Connected at PoE + A 25.5W Max</p> <table border="1"> <tbody> <tr> <td>100 Base-TX MDI FDX</td> <td>57.9 V Min Load</td> </tr> <tr> <td></td> <td>56.1 V Max Load</td> </tr> </tbody> </table> | Link Capability | Link Flow Control | 10Base-T | Full / Half Duplex | 100Base-TX | Full / Half Duplex | 1000Base-T | Full / Half Duplex | 100 Base-TX MDI FDX | 57.9 V Min Load |  | 56.1 V Max Load |
| Link Capability  | Link Flow Control  |  |                 |                   |          |                    |            |                    |            |                    |                     |                 |  |                 |
| 10Base-T   | Full / Half Duplex   |  |                 |                   |          |                    |            |                    |            |                    |                     |                 |  |                 |
| 100Base-TX   | Full / Half Duplex   |  |                 |                   |          |                    |            |                    |            |                    |                     |                 |  |                 |
| 1000Base-T   | Full / Half Duplex   |  |                 |                   |          |                    |            |                    |            |                    |                     |                 |  |                 |
| 100 Base-TX MDI FDX  | 57.9 V Min Load  |  |                 |                   |          |                    |            |                    |            |                    |                     |                 |  |                 |
|  | 56.1 V Max Load  |  |                 |                   |          |                    |            |                    |            |                    |                     |                 |  |                 |

## Network Testing - PoE Testing

- Detects and reports advertised and current link speed and link speed
- Ping both IPV4 and IPV6 addresses
- Detects the presence of VLANs
- CDP/LLDP/ NDP and VLAN identification provides network configuration information
- Ping specific URL to verify WAN connectivity
- Blinks link light to identify location on a hub/switch/router port
- Detects presence of PoE and class of PoE per IEEE 802.3af/at with load test for voltage drop

## Physical Features

- High resolution full color graphical display
- Displays wire map in color per TIA-568A/B color codes, in pin or pair order (configurable)
- Protective rubber boot
- Micro USB connector (to export cable reports), RJ45 connector, and coax connector

## Ordering Information

|                     |   |
|---------------------|---|
| <p><b>NP700</b></p> | <ul style="list-style-type: none"> <li>• Net Prowler Main Unit</li> <li>• Coax and Network Remote Set: #1-5, F-Conn coupler includes foam holder</li> <li>• Network/Tel Testing and ID Remote #1</li> <li>• RJ12 Cable – Qty 2</li> <li>• Micro USB Cable</li> <li>• Hanging T3 Pouch</li> </ul>  |
| <p><b>NP750</b></p> | <ul style="list-style-type: none"> <li>• Net Prowler main Unit</li> <li>• Coax and Network Remote Set: #1-5, F-Conn coupler includes foam holder</li> <li>• #1-8 Network/Tel Testing and ID Remotes</li> <li>• RJ12 Cable – Qty 2</li> <li>• Micro USB Cable</li> <li>• Large T3 Pouch</li> </ul> |
| <p><b>NP800</b></p> | <ul style="list-style-type: none"> <li>• Net Prowler Main Unit</li> <li>• #1-8 Network/Tel Testing and ID Remotes</li> <li>• #1-20 Coax Remotes</li> <li>• #1-20 Network Remotes</li> <li>• RJ12 Cable – Qty 2</li> <li>• Micro USB Cable</li> <li>• Large T3 Pouch</li> </ul>                    |

## Net Prowler Application

- Preview test results as PDF or CSV
- Perform throughput test using the Net Prowler
- Update Net Prowler Firmware

## Specifications

|                               |   |
|-------------------------------|---|
| <b>Measurement Technology</b> | Time Domain Reflectometry (TDR)   |
| <b>Cable Measurements</b>     | Cable Testing and ID: up to 1000 ft (305 m)<br>Split Pair Detection: 3 ft (1 m) to 1,000 ft (305 m)<br>Length Measurement: 0 to 1,500 ft (457 m), ± (5%+1ft)<br>Supports 8 continuity and ID number remotes (RJ-45)<br>Supports 20 RJ-45 and 20 F-connector ID only remotes |
| <b>Power over Ethernet</b>    | Tests for IEEE 802.3af and IEEE 802.3at (PoE Plus) compliant PoE<br>Loads cable up to 25.5 watts<br>(at class 4) Identifies Mode A or B (pairs with PoE)  |
| <b>Active Ethernet</b>        | Indicates advertised speeds of 10/100/1000base-t half or full duplex<br>Can Link to network at 10/100base-t   |
| <b>Maximum Voltage</b>        | Parameters refer to the maximum voltage that can be applied to any 2 connector pins without causing damage to the tester.<br>• RJ Jack: 66 Vdc or 55 Vac<br>• F-connector: 50 Vdc or Vac  |
| <b>Save Test Results</b>      | Stores up to 250 Cable or network tests with user defined names   |
| <b>Tone Generation</b>        | Tone Frequencies: 730 Hz and 1440 Hz  |
| <b>Languages</b>              | English, French, Spanish  |
| <b>Battery Life</b>           | For 6 x AA, 9VDC, 2,200 mA-hr (typical) alkaline battery:<br>Operating – 20 hours typical<br>Standby – Life of battery (20uA max)<br>Batteries are included   |
| <b>Altitude</b>               | 10,000 ft (3048 m) operating  |
| <b>Temperature</b>            | Operating: 32 to 122°F (0 to 50°C)<br>Storage: -22 to +140°F (-30 to 60°C)  |
| <b>Humidity</b>               | 10 to 90% non-condensing  |
| <b>Enclosure</b>              | High-strength PC/ABS plastic with VO rating with boot<br>Withstands 4 foot drop on to concrete  |
| <b>Size</b>                   | 1.85"H x 3.6"W x 6.8"L (4.7 x 9.15 x 17.3 cm)   |
| <b>Safety Compliances</b>     | CE  |
| <b>Weight with Batteries</b>  | 1 lb 2 oz (510 g)   |
| <b>Warranty</b>               | 1 Year  |