

## The all-in-one cable qualifier

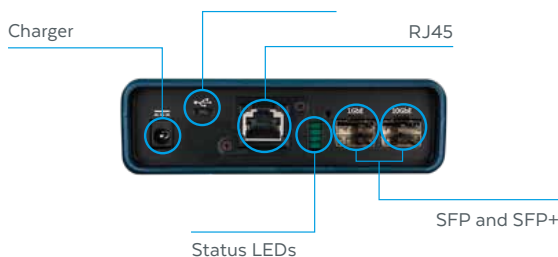
New standards defining data rates up to 10Gbit/s are a big challenge. Older, existing cabling for new wireless access points has to support ever increasing data rates. In order to prove that the cabling installed is able to support the increased data rates, operators need to perform application qualification testing before commissioning the network to avoid any unpleasant surprises.

Prove and document the application speed across copper and fiber cables; test active networks over copper, fiber, and WiFi; and test and prove POE performance with NetXpert XG PLUS.



### ACTIVE NETWORK MANAGEMENT

- Test POE, POE+, POE++
- Connect to a network switch via copper, fiber, or WiFi (2.4GHz and 5GHz)
- Supports IPv4 and IPv6
- Detection of duplicate IP addresses in the network
- Discover your network and see the connected network devices
- Identifies defective PoE switches with a PoE load test
- DHCP test
- Ping lists can be defined and saved for later use
- LLDP/CDP detection and analysis
- Identifies VLANs present in your network
- Data transfer from the tester to the PC using USB stick



### PERFORM COPPER AND FIBER CABLE TESTS

- Tests data cabling for IEEE 802.3 compliance at data rates of up to 10Gbit/s
- Bit Error Rate Test (BERT)
- Signal-to-noise ratio (SNR) (copper)
- Measures delay skew (copper)
- Combined length measurement performing TDR and capacitance measurements for highly accurate test results and easier troubleshooting even of shorts
- Full-color wire map shows opens, shorts, miswires, and split pairs in a clear and easy to understand way
- Length & Loss measures length of fiber, light loss value, and Softing's exclusive LiveLight™, the light loss trend value displayed on the color screen, on a continuous, real-time plot
- Saves test results and generates standards-based measurement reports providing "Pass/Fail"

### ACTIVE REMOTE UNIT PORTS



## SPECIFICATIONS

|                                |   |
|--------------------------------|---|
| Prove Ethernet Speed with BERT | 100Mbit/s to 10Gbit/s via Copper Twisted Pair (and license) cabling 1 Gbit/s, 10Gbit/s via fiber SFP-ports  |
| Length Measurement Technology  | Time-Domain Reflectometry (TDR) and capacitance   |
| Cable Measurements             | Cable Testing and ID: up to 1,000ft (305m)<br>Split Pair Detection: 3ft (1m) to 1,000ft (305m)<br>Length Measurement: 0 to 1,500ft (457m), ± (5%+1ft (30cm))<br>Distance to fault: 0 to 656ft (200m) ± (5% + 3ft (1m))<br>Supports 8 wiremap remotes (RJ 45) and 24 RJ-45 ID only remotes     |
| Power over Ethernet (PoE)      | Test supports IEEE 802.3af PoE (Type 1, max 15.4W), IEEE 802.3at PoE+ (Type 2, 30W) and 802.3bt PoE++ (Type 3, 60W)   |
| Active Ethernet                | Network and test support by interface:<br>Copper RJ-45 interface -<br>100/1,000/2,500/5,000/10,000Mb/sec link speeds<br>Fiber SFP+ #1 interface supports 10Gb/sec link speed<br>Fiber SFP #2 interface supports 1Gb/sec link speed<br>WiFi 802.11 a/b/g/n/ac 2.4Ghz, 5GHz WiFi, and Bluetooth |
| Maximum Voltages               | Maximum voltage that can be applied to any 2 connector pins without causing damage to the tester:<br>RJ-45: 60VDC or 50VAC  |
| Save Test Results              | 16GB memory allows storing more than ten thousand cable or network tests  |
| Tone Generation                | Tone Frequencies: 730Hz and 1440Hz  |
| Languages                      | English, German, French, Spanish, Italian   |
| Battery                        | Li-Ion, 7.2VDC, 3.1A-hr<br>5 hours typical  |
| Temperature                    | Operating: 14 to 140°F (-10 to 60°C)<br>Storage: -22 to 158°F (-30 to 70°)  |
| Humidity                       | 10 to 90% non-condensing  |
| Enclosure                      | Injection molded plastic  |
| Display                        | 7" Color TFT-LCD capacitive touch display,<br>1024x600 resolution (WSVGA)   |
| Size                           | 9.6x6.9x2.8 inch (245x177x73 mm) (Main Unit)<br>5.1x6.9x2.1 inch (130x177x55 mm) (Active Remote)  |
| Weight with Battery            | 2,65lbs (1,2kg) (Main Unit)<br>1,33lbs (0,6kg) (Active Remote)  |

## NetXpert XG PLUS DELIVERY

- 2 NetXpert XG Main Unit
  - 1 Active Remote
  - 3 Power supplies
  - 2 Copper test cables
  - 4 Fiber duplex patch cables LC/LC, OM4 and OS2
  - 1 Hard case
  - 1 Micro-USB adapter
- (includes 4 activation codes)

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