

# LANEXPERT™

**DIREKTRONIK**

Direktronik AB tel. 08-52 400 700 www.direktronik.se

## Advanced Gigabit Inline Network Analyzer!

**NEW**  
Network and  
Cable Tester



- Complete Inline Packet Inspection.
- Identify Traffic Protocols with Amount and Percentage Breakdowns.
- Capture Up to 10,000 Packets for Analysis or Download to a PC.
- Comprehensive Data Filtering to Quickly Identify Problems.
- Measure PoE Voltage and Power to Determine Switch Port Power Allocation.
- Process VoIP Traffic to Determine Call Statistics and Quality.
- IPv6 Detection Capabilities
- Qualify Network Segments with an RFC 2544 Stress Test Prior to Activating.
- Automatically Identify Standard Link, Frame, and Traffic Problems.
- Identify Connected Network Devices by Type, IP Address or MAC Address.
- Test Cables for Opens, Shorts, Reversed Pairs, Split Pairs and Measure Cable Length.

The LanExpert allows network professionals to quickly maintain and optimize network services. Capabilities including Cable Testing, Link Detection, Ping and Trace Route verify point to point and cross network connectivity. Detailed Packet Monitoring, Filtering and Capture provide the ability to identify and solve complex problems. Flexible Traffic Generation and structured Stress Tests demonstrate network performance under varying load conditions. VoIP, Email and Inline PoE tests provide statistics and measurements required to ensure proper network performance. The LanExpert is a single solution for analyzing and troubleshooting networks from the cabling to the packet.

Expert help for your Network



## Screen Displays

The LanExpert is a comprehensive network analyzer that allows users to deliver reliable network services with a single test device. LAN installers, technicians, managers and service providers can now get expert network help at an affordable price.

## Specifications

**Physical**  
**L**      **W**      **H**  
 Dimensions: 16.5 x 10.0 x 6.8 cm  
 (6.50 x 3.95 x 2.70 in)  
**Weight:** 612.7 g ( 21.6 oz)

**Power**  
 Li-ion Battery Pack and AC Adapter

**Environment**  
 Operating Temperature 0 to 45 C (32° to 113° F)  
 Storage Temperature -10 to 60 C (14° to 140° F)

**Display**  
 Color LCD Touchscreen Display (320 x 240 x RGB)

**Network Types**  
 10/100/1000 base-TX

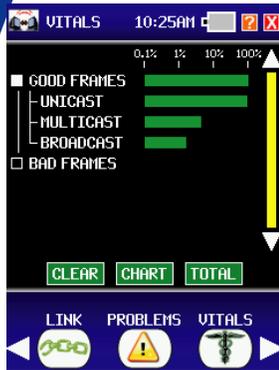
**Connector Types**  
 RJ-45 (2) Ethernet/Cable Test  
 USB A & USB B Connectors  
 AC Adapter Power/Battery Charging

Product Design and Specifications subject to change without notice.

## Ordering Information

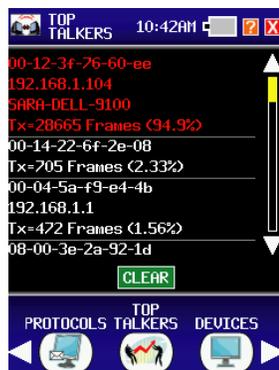
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Vitals provides an indication of the operational condition of a network. A real time analysis of good and bad frames received is used to determine if the network is healthy or problems exist that may be affecting performance.

Email displays the username of an email session, the number of received/deleted emails, and the total number of bytes the email contained.



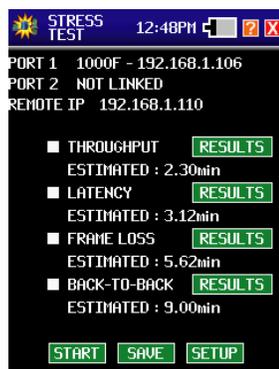
Top talkers displays the MAC address, IP address, Device Name, the number and percentage of transmitting frames on the network in order from the highest used bandwidth to the lowest.

Tracks up to 500 different VoIP calls providing from-to IP addresses, call start and stop times, call duration and the number of registrations with the VoIP server.



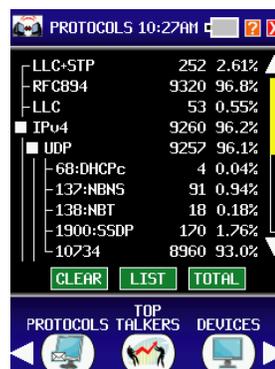
Capture up to 10,000 packets for analysis including packet size, source and destination IP address, time detected and packet type. User defined filters capture specific data needed to identify problems and monitor performance.

Devices are listed by device type, MAC or IP address. Devices are detected by monitoring traffic or through a discover broadcast.



Stress test generates traffic and measures performance metrics, in accordance with RFC 2544.

Lists all protocols detected with the total number of packets and the percentage of the total traffic. Certain protocols such as IPv4 and IPv6 can be expanded to show the sub-protocols.



Expert help from the Cable to the Packet

