# LANEXPERT<sup>TM</sup>

LANEXPER

## **Advanced Gigabit Inline Network Analyzer!**

Test Equipment Depot 1-800-517-8431 9 Washington Street Aelrose, MA 02176 Phone 781-665-1400 Ol Free 1-800-517-8431

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. 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.

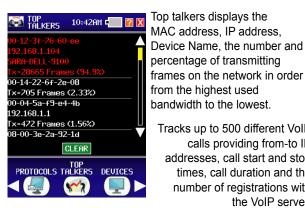


## **Expert help for your Network**

### 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.

/	👰 VITALS	10:2	:5AM	•	?	X
	■ GOOD FRAMES   -UNICAST -MULTICAST   -BROADCAST □ BAD FRAMES	0.1%	1%	10%	100%	



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.

Tracks up to 500 different VoIP

addresses, call start and stop

times, call duration and the

number of registrations with

the VoIP server.

calls providing from-to IP

👰 EMAIL	3:40PM 🖷	<b>?</b> X
DEVICE 192.	.168.1.104	
POP3 7	2.167.82.11	
USERNAME	sjohnson®psiber	°.C
LOG-INs	3 (3 OK)	
LAST	OK	
RECEIVED	3 (93944bytes)	
DELETED	3	
SMTP 2	207.115.36.27	
USERNAME	sjohnson@psiber	•.c 📙
LOG-INs	1 (1 0K)	
	CLEAR	
PING TRACE	TRAFFIC GENERATE EMAI	L
		) >

5:07AM 🖬 😰 🕅

REMOTE

巅 VoIP

555-121-2121

GISTRATION

VoIF

e

00-12-17-fd-81-e8

ATTEMPTS=5,0K=5

192.168.1.112:10000

sip:15551212121@n.voncp.com

FROM 216.115.20.115:10000

CLEAR

FRAME

216.115.20.115:10000

INF

DEVICE

#### **Specifications**

Physical	L		W		н
Dimensions:	16.5	х	10.0	х	6.8 cm
	(6.50	х	3.95	х	2.70 in)
Weight:	612.7	′g i	(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 USBA & USB B Connectors AC Adapter Power/Battery Charging

Product Design and Specifications subject to change without notice.

it us at www.TestEquipmentDepot.com



99 Washington Street Melrose, MA 02176 Phone 781-665-1400 Toll Free 1-800-517-8431

CAPTURE 10:33AM 🖬 P1 #1 (96bytes) 2/9/09 10:32:02.338000am 5RCE: 192.168.1.104 DEST: 192.168.1.255 RFC894/IPv4/UDP:137-137 000: ffffffffffff<u>f</u>0012 008: 3f 76 60 ee 08 00 45 00 010: 00 4e cc c3 00 00 80 11 e9 23 c0 a8 01 68 c0 a8 018: 01 ff 00 89 00 89 00 3a 020:HEX RETURN REMOTE FRAME CAPTURE

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.



12:48PM 🚽 📔 🔀 SI RE TEST PORT 1 1000F - 192.168.1.106 PORT 2 NOT LINKED REMOTE IP 192.168.1.110

THROUGHPUT	RESULT
ESTIMATED: 2.3	Omin
LATENCY	RESULT

- ESTIMATED : 3.12min FRAME LOSS RESULTS
- ESTIMATED : 5.62min BACK-TO-BACK RESULTS ESTIMATED : 9.00min

START SAVE SETUP

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.

Lists all protocols detected

ROTOCOLS 10:	:27AM 🛛	2	X			
∟LLC+STP	252	2.61%				
- RFC894	9320	96.8%				
-LLC	53	0.55%				
IPv4	9260	96.2%				
UDP	9257	96.1%				
68:DHCPc	4	0.04%				
-137:NBNS	91	0.94%				
-138:NBT	18	0.18%				
-1900:SSDP	170	1.76%	Ш			
<b>└</b> 10734	8960	93.0%	$\sim$			
CLEAR LIST TOTAL						
TOP PROTOCOLS TALKERS DEVICES						
₽ 👘 🖳 ►</td						

## **Expert help from the Cable to the Packet**



2009 Psiber Data Systems Inc. All Rights Reserved. The Psiber Logo, Psiber and LanExpert are trademarks of Psiber Data Systems Inc. 0101-0080-0001 Rev. A Printed in U.S.A.