# LANEXPERT<sup>IM</sup>

LANEXPERT

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

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 I	-	?	X
■ GOOD FRAMES   - UNICAST   - MULTICAST   - BROADCAST □ BAD FRAMES	0.12	12	10%	100%	
			DTAL VITA	LS	



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,

percentage of transmitting

from the highest used

bandwidth to the lowest.

Device Name, the number and

frames on the network in order

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

4
4
4
4
4

5:07AM 🚽 🔽 🔀

REMOTE

බ 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 USB A & USB B Connectors AC Adapter Power/Battery Charging

Product Design and Specifications subject to change without notice.

#### Ordering Information

#### Psiber Data Systems Inc

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FRAME 10:33AM c 💽 🛛 🗙	Capt for a
(96bytes) 9 10:32:02.338000am 192.168.1.104 192.168.1.255 94/IPu4/UDP:137-137 ff ff ff ff ff ff 00 12 3f 76 60 ee 08 00 45 00 00 4e cc 300 00 80 11 e9 23 c0 a8 01 68 c0 a8 01 ff 00 89 00 89 00 3a	size, IP ac pack capti ident perfo
HEX RETURN FRAME REMOTE Volp Capture Access	1

DEST

RFC8

DOO:

D08:

D10:

D18:

120

ture up to 10,000 packets analysis including packet , source and destination ddress, time detected and ket type. User defined filters ure specific data needed to tify problems and monitor ormance.

type, MAC or IP address. Devices are detected by monitoring traffic or through



STRESS TEST	12:48PM 🚽 📔 🔀		
PORT 1 1000F ·	192.168.1.106		
PORT 2 NOT LINKED			
REMOTE IP 192.168.1.110			
THROUGH			

	REJUETJ		
ESTIMATED: 2.30min			
LATENCY	RESULTS		
ESTIMATED : 3.12min			
FRAME LOSS	RESULTS		

STIMATED: 5.62min BACK-TO-BACK RESULTS ESTIMATED : 9.00min

START SAVE SETUP

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.

CALL LICET	); Z7HN 4 🖬 🚺			
⊢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% 📙			
L 10734	8960 93.0% 🗸			
CLEAR	ST TOTAL			
TOP PROTOCOLS TALKERS DEVICES				
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## Devices are listed by device

