LANEXPERT^M

LANEXPERT

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

DIREKIRONIK

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.

wright 2

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.

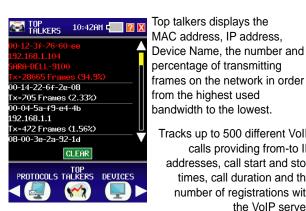


Expert help for your Network

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.

10:2	5AM	•	?	X
0.1%	1%	10% 	100%	
Chart		otai	_	
	15			
		0.12 12 HART 1 OBLEMS	CHART TOTAL	0.12: 12: 102: 1002: CHART TOTAL



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

வ Email	3:40PM 🖬	? X
DEVICE 192.	.168.1.104	
POP3 7	2.167.82.11	
USERNAME	sjohnson@psibe	r.c
LOG-INs	3 (3 OK)	
LAST	OK	
RECEIVED	3 (93944bytes)	
DELETED	3	
SMTP 2	207.115.36.27	
USERNAME	sjohnson@psibe	r.c 📙
LOG-INs	1 (1 0K)	
	CLEAR	
PING TRACE	TRAFFIC GENERATE EMA	IL
< 💭 <		

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

TNE

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 ((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



Direktronik AB tel 08-52 400 700 v

10:33AM 🖬 FRAME CAPTURE 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: ff ff ff ff ff ff 00 12 008: 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 IIIE IIRF

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.



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

THROUGHPUT	RESULTS
ESTIMATED : 2.3	Omin
LATENCY	RESULTS
ESTIMATED : 3.1	2min
FRAME LOSS	RESULTS
ESTIMATED : 5.6	2мin

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.

👰 PROTOCOLS 10:27AM 🛄 🛛 🕅			
LLC+STP	252 2.61% 🔺		
- RFC894	9320 96.8%		
-LLC	53 0.55%		
IPu4	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% 📙		
[_] 10734	8960 93.0% 🗸		
CLEAR	5T TOTAL		
TOP PROTOCOLS TALKERS DEVICES			
🔊 🛃	🕅 🖳 Þ		

Expert help from the Cable to the Packet



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