

LUGUER

FLUKE

networks

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LinkRunner™

Network Multimeter Troubleshoot PC and Network Connections



What is LinkRunner?

LinkRunner is an easy-to-use tool that helps the user to quickly determine if a connectivity problem is in the network or the PC NIC.

LinkRunner goes right to the heart of where most network trouble exists, the physical and link layers.

LinkRunner target user

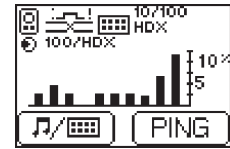
Frontline network technicians.

LinkRunner helps you answer questions like:

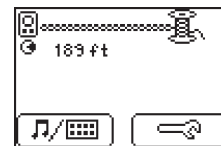
- Is this an active Ethernet port?
- What speed/duplex is the hub/switch/PC NIC configured for?
- Am I seeing traffic from this connection?
- Is the PC NIC okay?
- Where does the cable go?
- Can I Ping?

Key Functions

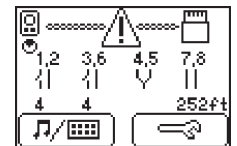
- **Link** – determine whether the drop is active and identify its speed, duplex capabilities, and service type (e.g., Ethernet, Token ring, Telco).
Benefit – tells the user if the network connection is good, if the hub speed and duplex are set correctly, if the link level is low, and if the cable is good, port is active.
- **Length** – check cable configuration, find faults and length
Benefit – identifies if the cable length is within specifications, whether it is straight or crossover and whether it has any faults. These tests, which work for both structured and patch cables, eliminate the need for a separate cable tester.
- **Ping** – verify connectivity to key network resources and to determine whether a PC NIC is responding.
Benefit – Determine whether the problem is the PC configuration or the network.
- **Link pulse** – blink the hub port or PC light while sending tone for cable location (optional Toner Receiver accessory to hear tone on cable is required).
Benefit – Recover unused drops and find the end of drops in use.
- **Cable ID** – identify unknown cabling paths using the optional Cable ID by seeing which numbered plug is on the other end of the wire (optional Cable ID accessory is required).
Benefit – Get your cable drops labeled and documentation in order.



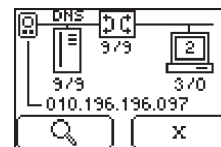
Utilization, link level and configuration



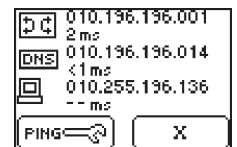
Good cable result



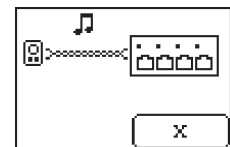
Bad cable result



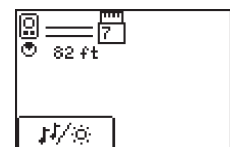
Ping



Ping detail



Cable tone and link pulse



Cable ID, #7 has been identified

LinkRunner Standard Kit Contents

- LinkRunner Network Multimeter
- Wiremap Adapter
- Quick Reference User Guide
- 2 AA alkaline batteries

FREE Belt clip holster when you register your LinkRunner



For more information and to demo the LinkRunner, visit our web site at www.flukenetworks.com/linkrunner

Product Family Selection Guide

Function	LinkRunner	NetTool	OneTouch
Link ID	○	○	○
PC Configuration		○	
Inline Mode		○	
NIC/Hub/Cable Tests	○	○	○
Utilization	○	○	○
Errors		○	○
Device Discovery		Traffic Dependent	SNMP Queries
Network Statistics		Layer 2	Layer 2-3 Source ID
Ping	○	○	○
Trace Route			○
Duplicate IP Detection		○	○
Web-Based Operation			○
Reports		○	○
Cable ID	○		○
Toner	○		○
Traffic Generation			○

Specifications	
Media access	10BASE-T and 100BASE-TX
Identifies	10BASE-T, 100BASE-TX (full or half-duplex), Token Ring, Telco, Cable ID, unpowered PC or hub, Auto-MDIX ports and Auto-Negotiation or strapped port
Cable tests	Length, open, short, splits, wiremap, crossed, straight through
Ports	RJ-45 LAN, RJ-45 Wiremap
Interface	Push button navigation of icon/menu driven view
Power	2 AA batteries standard. Optional NiMH batteries and Battery charger available. Approximately 20 hours continuous use with 4 hours of pinging.
Dimensions	2.75" w x 3.75" h x 1.25" d 6.98 cm x 9.52 cm x 3.17 cm
Weight	4.5 oz/128 grams with batteries installed

Ordering Information	
Model Name	Description
LINKRUNNER	LinkRunner Network Multimeter
LINKRUNNER-KIT	LinkRunner Extended Test Kit (Includes LinkRunner and all accessories listed below including custom carrying case)
LRUN-8001-01	Cable ID Kit (numbers 1-8)
LRUN-WM	Wiremap Adapter
RJ-45 COUPLER	RJ-45 Coupler
MT-8200-46	MicroProbe
CLIP SET	Clip Set
BATT-AA-NIMH	NiMH Battery Pack
NT-BATT-CHG	NiMH Battery Charger
LR-CASE	Custom Carrying Case
PC-INSP	PC Inspector