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Find the *Fluke MetroScope and LinkRunner Duo* at our website: ***Click HERE***

LinkRunner Duo CE

Pocket Carrier Ethernet Test Set

If you're installing carrier Ethernet, you've been forced to choose between thorough testing of the service with a dedicated performance test set or plugging it in and hoping for the best.

Dedicated test sets allow your team to thoroughly test the links. But they can be costly. And ***"plug and pray"*** *can result in callbacks and extended trouble-shooting sessions.*

Fluke Networks' LinkRunner Duo CE Pocket Carrier Ethernet Test Set can reduce your costs and increase customer satisfaction. It's designed to help technicians quickly turn up and troubleshoot Carrier Ethernet. And, it works with your existing performance testers when you need more complete testing.

Stop the Guesswork

Is it the link or the UNI that's not working? Quickly verify the link integrity and signal strength. Was the link provisioned properly? Use PING to verify connectivity to expected devices, response time, and VLAN settings. Suspect a customer equipment problem? LinkRunner Duo CE quickly finds speed and duplex mismatches, authentication and addressing problems, and bad ports on copper or fiber.

Get more out of your test sets

Use LinkRunner Duo CE as a remote target for performance testers such as the Fluke Networks MetroScope™ and those from other manufacturers. It supports even the most complex RFC 2544 and ProVision™ tests including multiple streams, TOS and VLAN settings on Layer 1, 2, or 3 networks.

LinkRunner Duo CE Features

Link Verification of Fiber and Copper Circuits at 10/100/1000MBps – Quickly determine if the circuit is up or not.

Performance Testing with MetroScope and other Popular Test Sets – Use as a remote device for ProVision, RFC 2544 and other performance tests with testers from Fluke Networks, or other vendors.

Layer 1, 2, and 3 Loopback – Configurable loop back to filter frame type and swap MAC and/or IP addresses. Manual or DHCP IP configuration.

Fiber Power Measurements – Make sure that the incoming signal meets requirements.





More complete than a PC. Less then half the price of performance testers.

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PING Testing – Measure availability and response performance for key devices or URLs.

VLAN Verification – Configurable VLAN and priority settings.

Designed for the Field – Small (fits in a shirt pocket), lightweight (10oz), battery operated and rugged. Operates for over three hours with a removable Li-ion battery pack, four AA batteries, AC or optional car charger.

Document Results – Save link and ping test results and upload to a PC through the USB port.

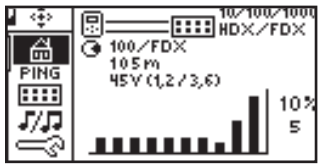
CPE Testing – Pinpoint problems on the customer side with port identification and 802.1x testing, cable and connectivity tests. Verify port settings and troubleshoot speed and duplex mismatch issues.

Cable Testing – Test cabling and patch cords, including support for toning.

Media Access – Copper: 10BASE-T, 100BASE-TX, 1000BASE-T (IEEE 802.3), Fiber (SFP): 100BASE-FX, 1000BASE-LX, SX, ZX, BX.

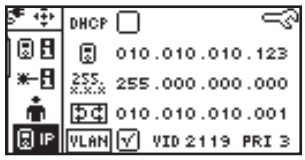
Easy Upgrades – The mini-USB port on the LinkRunner Duo CE allows software upgrades in the field in just minutes. And with our Gold support, you'll automatically receive upgrades at no additional charge. The LinkRunner Connect software also allows you to download reports and capture screen graphics.

Verify Link Integrity and Signal

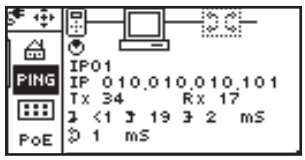


Connect the LinkRunner Duo CE, turn it on, and it immediately shows the connection type, signal and traffic levels. No more guessing if the problem is the link or the equipment.

Validate Provisioning

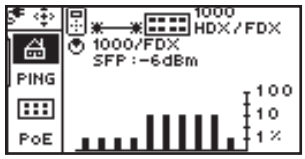


The LinkRunner Duo CE provides complete flexibility in IP settings, including manual or DHCP addressing, VLAN number and priority.



Validate these settings and connectivity using the PING function. It also displays the minimum, maximum, average and current response time to identify latency problems. Local routers, if any, are also displayed.

Check Customer Equipment



Don't waste time ***"finger pointing"*** when customer problems are suspected. Use LinkRunner Duo CE to pinpoint the most common customer problems.

With one screen, you can immediately diagnose duplex and speed mismatch problems that can ruin performance and used to take hours to track down. Use Ping to validate IP and VLAN settings. Test 802.1x authentication settings. Diagnose a bad cable. Quickly find where the cable goes using Port Discovery Protocols (CDP, LLDP), flash port, or using the built in toner.

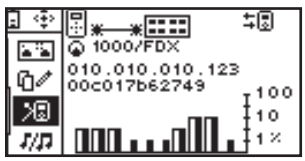
Get to the next job faster, leaving a satisfied customer behind.

Use as a Reflector for Performance Testing

When you need to fully test the performance of the link, the LinkRunner Duo CE can act as a remote device for MetroScope and other Carrier Ethernet test sets. It supports testing for ProVision, RFC 2544 and BERT across layer 1, 2, or 3 connections. It can be programmed to send back all frames, all non-broadcast frames, or only frames addressed to it. That last setting allows you to set the



LinkRunner Duo CE in the network without affecting service and replying only when tests are run to it.

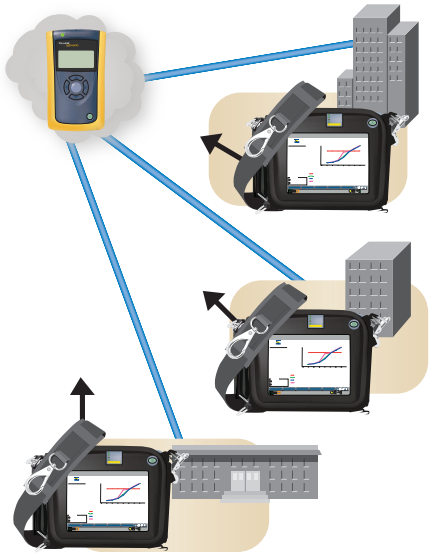


The display in reflection mode displays both the incoming and outgoing traffic levels as well as the LinkRunner's configuration for easier set up and troubleshooting.

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Flexible Testing Approaches

The low cost of the LinkRunner Duo CE allows you to deploy them in ways that simplify testing while reducing costs. By placing the LinkRunner Duo CE in a central location and leaving it on, technicians can use performance testers without a second tester or technician.



For longer term troubleshooting, deploy units at remote sites. The LinkRunner Duo CE can be programmed to reflect only frames sent directly to it, so it won't affect network traffic until a test is run.

Designed for the Field

The LinkRunner Duo CE packs all these features into a package that fits in a shirt pocket and weighs less than 10 ounces (280g). The backlit display makes it easy to read in dim wiring closets. The rechargeable, field swappable battery pack provides three hours of testing on a typical fiber connection. Working a longer day? Use the AC power supply or AA battery pack (both included) or the 12V car charger (optional).

Model	Description / Includes
LR-DUO-CE	LinkRunner Duo Carrier Ethernet Tester
GLD-LR	Gold for LinkRunner Duo CE
WIREVIEW 1	Wiremap Adapter
Wireview2-6	Wireview Cable IDs #2-6
MS-AUTO-CHG	12V Car Charger for LinkRunner Duo CE
ES2-ZX	ZX DDM SFP
MS-SX	SX DDM SFP
MS-LX	LX DDM SFP
MTSCOPE-KIT	MetroScope Kit with LinkRunner Duo CE



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