

LinkRunner® 100G

Network Tester

OVERVIEW

The **LinkRunner 100G** is the industry's smallest and lightest handheld tester for installing, verifying, and maintaining Ethernet networks from 25G to 100G. It puts the physical-layer visibility that once required a cart of modular test equipment historically \$25,000 or more directly into the hands of the engineer holding the ticket, at a fraction of the cost.

At 25G per lane, a marginal connector can degrade a link quietly enough that switch counters still read clean, and a mismatched setting can prevent the establishment of a link with no error apparent. The LinkRunner 100G is built to catch exactly that before it becomes an outage.

- **Prove your network delivers the performance you're paying for.**
- **Validate fiber and optics before they become a 2:00 am call.**
- **Get evidence, not assumptions, every time you test.**

KEY FEATURES

- **Instant Network Visibility at Line Rate**

In seconds, AutoTest verifies the connected switch port and its configuration, validates link speed and key network services, giving you immediate clarity and confidence.

- **Proof of Performance, Not Assumptions¹**

Validate true capacity and quality of transmission end-to-end, with measurable, repeatable Layer 3 performance results, so your network delivers what it promises.

- **Real-World Validation of QSFP28 Optics**

Test with the same optics and transceivers your production network uses, for true end-to-end verification with zero deployment surprises.

- **QSFP28 Insights**

Automatically detects and validates module type, speed, FEC settings, and interface configuration across 25G, 40G, 50G, and 100G optics single-mode, multi-mode, trunks, LC breakouts, and MTP/MPO links, so you know exactly how every module is set to operate.

- **Consolidated, Professional Reports**

Automatically generate documentation that consolidates every test result optical configuration, performance metrics, and link validation into one clear report you can share with management or clients.



Finally, 100G validation in your hand - priced to be standard issue

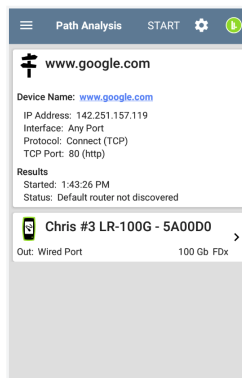


¹ Two LinkRunner 100G units are required for the network Performance Test.

Beyond the Physical Layer

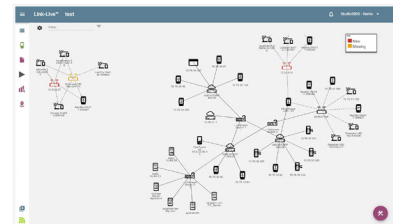
Path Analysis

Maps the hop-by-hop switch and router path to any connected device, surfacing overloaded interfaces, saturated device resources, and interface errors along the way — breaking through the “visibility ceiling” between wired segments to show exactly where a path degrades.



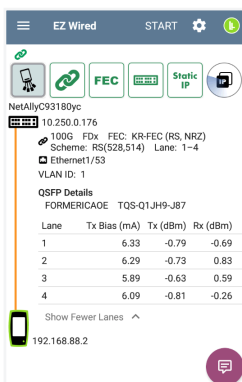
Discovery & Topology Mapping*

Discovers devices and endpoints across multiple VLANs and generates topology maps in Link-Live surfacing configuration changes and flagging “suspect” devices for investigation.



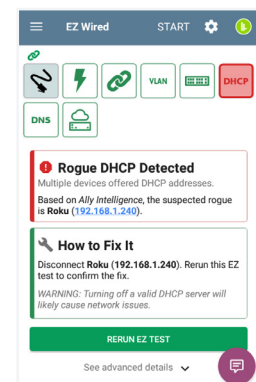
EZ Wired

Identifies the nearest connected switch using LLDP, CDP, and EDP, and pulls its critical configuration — port name, link speed/duplex, and VLAN assignment



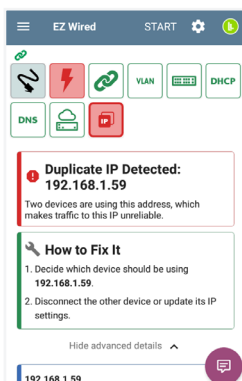
Rogue Device Identification*

Runs Discovery and Nmap scans to identify every device on the network, then validates open services, configurations, and potential security exposures — flagging devices that don’t belong before they become an incident.



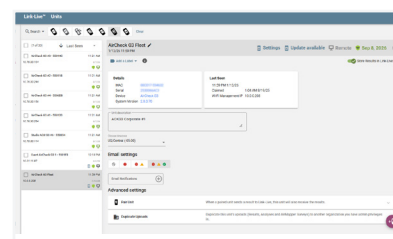
Ally Intelligence*

NetAlly’s expert system reads your test results and returns plain-language root-cause analysis and next steps— so less time goes into interpreting data and more into closing the ticket.



Link-Live™

NetAlly’s cloud collaboration, reporting, and analysis platform: every test result from every handheld tester and analyzer on your team logs here automatically, so results, topology maps, and remediation history stay in one place instead of scattered across laptops.



PRODUCT SKU	DESCRIPTION
LR100G-100-Z	LinkRunner 100G Network Tester – Includes: LinkRunner 100G network tester, power supply with regional power plugs, 100G/40G SR4 QSFP28 dual-rate multimode optical interface, 2-meter multimode fiber patch cable, fiber MPO cleaner and Sling bag. Note: Requires subscription of AllyCare Pro.
LR100G-100-1YS	1 year AllyCare Pro support for LR100G-100
LR100G-100-3YS	3 year AllyCare Pro support for LR100G-100



AllyCare Pro Support Required

Every new LinkRunner 100G requires an active 1 or 3 year AllyCare Pro support plan. Registration and activation must be completed within 3 days of first power-on.

SPECIFICATIONS

GENERAL	
Dimensions	4.09 in x 7.72 in x 2.80 in (10.4 cm x 19.6 cm x 7.1 cm)
Weight	2 lb (0.90 kg)
Battery	Rechargeable lithium-ion battery pack (7.2 V, 9.9 Ah, 71.3 Wh)
Battery Life	Typical operating life is 1.5-3 hours (Battery life from full charge varies depending on the feature being used); Typical charge time is 3 hours
Display	5.0 in color LCD with capacitive touch screen (720 x 1280 pixels)
Host Interfaces	QSFP28 Test port, RJ-45 Management Port, USB Type-A Port and USB Type-C On-the-Go Port
SD Card Slot	Supports Micro SD card storage - up to 64GB supported
Memory	Approximately 8 GB available for storing test results and user applications
Charging	USB Type-C 65W adapter 100-240 Vac, 50-60 Hz; DC Output Power 20 V (3.25 A)
Media Access	100GBASE-LR4, 100GBASE-SR4, 100GBASE-CR4, QSFP28 compliant modules.
Supported IEEE Standards	802.3bm, 802.3ba, 802.3bj
Forward Error Correction	FEC configuration detection and FEC counter tracking

SPECIFICATIONS

ENVIRONMENTAL	
Operating Temperature	32°F to 113°F (0°C to +45°C) NOTE The battery may not charge if ambient temperatures are above 95°F (35°C).
Operating relative humidity (% RH without condensation)	90% (50°F to 95°F; 10°C to 35°C)
	75% (95°F to 113°F; 35°C to 45°C)
Storage Temperature	-4°F to 140°F (-20°C to +60°C)
Shock & Vibration	Meets the requirements of MIL-PRF-28800F for Class 3 Equipment
Drop Test	IEC 60721 - 3-7 Class 7M5
Safety	IEC 61010-1:2010: Pollution degree 2
Altitude	Operating: 4,000 m; Storage: 12,000 m
EMC	IEC 61326-1: Basic Electromagnetic Environment; CISPR 11: Group 1, Class A

CERTIFICATIONS & COMPLIANCE	
	Conforms to relevant European Union directives
	Conforms to relevant Australian Safety and EMC standards
	Complies with 47 CFR Part 15 requirements of the U.S. Federal Communications Commission
	Listed by the Canadian Standards Association