

LinkRunner® 10G

Advanced 10Gig Ethernet Tester

Cost-Effective, Line-Rate 10Gig Ethernet Testing

- Quickly test, verify, and troubleshoot 1Gig, Multi-Gig and 10Gig Ethernet (copper, fiber) including line-rate performance testing and packet capture
- NEW! LANBERT™ Media Qualification app tests the capability of premise cabling and media components for carrying Multi-Gig and 10Gig Ethernet
- Layer 1-7 AutoTest enables any technician to find network problems
- Monitor networks for intermittent issues, every minute for up to 24 hours

Overview

Introducing the new LinkRunner 10G, the most cost-effective solution for 10 Gig network testing. LinkRunner 10G simplifies testing and configuration of copper and fiber Ethernet networks, streamlining workflows by combining essential functions of installation and triage in a single, ruggedized unit.

This next-generation Android-based tester delivers complete network validation and troubleshooting, from the media (copper/fiber) to the application (layers 1 – 7), accelerating deployments, speeding problem identification, and improving the efficiency and effectiveness of network installers and operations teams.



Key Features

- Install, test, verify, and troubleshoot technology upgrades, Multi-Gig (NBASE-T) and 10G networks with advanced Android™-based troubleshooting apps and purpose-built test hardware
- Physical layer testing includes cable (TDR) testing, toning, wiremapping, LANBERT frame transmission testing, and cable SNR (Signal-to-Noise Ratio) for multi-gig links
- Compatibility with standards compliant SFPs enables test and validation of any wired media (copper or fiber) for a variety of use models
- Validate up to 90W 802.3bt PSE with TruePower™ loaded Power over Ethernet (PoE) test
- Serves as a peer to the EtherScope nXG for line-rate performance testing to verify network capacity, performance and QoS, as well as service provider SLAs between sites
- Programmable periodic AutoTest monitors for intermittent issues with email notifications through the Link-Live cloud service
- Separate management port enables secure “out of band” remote control so centralized experts can efficiently assist technicians in the field
- Optional USB Wi-Fi/Bluetooth adapter for connectivity and remote control.
- Seamlessly consolidate and manage field test data, automate reporting, and integrate with network management systems via complimentary Link-Live Cloud Service

AllyCare-Enabled Features

Customers with AllyCare Premium Support service get access to these additional advanced capabilities:



- **Discovery** – Instantly see what is on the network and where it is connected, by switch, slot, and port number. Quickly investigate and locate “suspect” devices and identify problems associated with device misconfigurations:
 - Switch Management:** Interfaces, utilization, errors, discards, HDX, RTSP, recent reboots using SNMP monitoring
 - Device Discovery:** Discover all devices then search the inventory using powerful filters and sorts. Add name/authorization to any device.
 - Discovery Difference:** Analysis in Link-Live shows new or missing devices.
 - Topology Analysis:** Path analysis shows the L2 switch/L3 router path to any connected device.
 - Network Mapping:** Upload discovery data to Link-Live and instantly map your wired and Wi-Fi networks; integrated views of network topology can be easily customized and exported to Visio.
- **Cloud-Based Remote Control** – A simple and secure remote-control feature allows you to manage and control distributed LinkRunner 10G units for troubleshooting and collaboration without leaving your desk!

Models & Accessories

Model Number/Name	Description
LR10G-100	LinkRunner 10G Advanced Ethernet Tester Includes: (1) LR-10G mainframe with Li-ION battery, G3-PWRADAPTER, SFP+MR-10G850, Inline RJ-45 coupler, WireView wire mapper #1, <i>Quick Start Guide</i> , and small soft case.
LR10G-100-KIT	LinkRunner 10G Professional Kit Includes: (1) LR-10G mainframe with Li-ION battery, G3-PWRADAPTER, G3-HOLSTER, SF-P+MR-10G850, SFP+MR-10G1310, Cat 6 RJ-45 inline coupler, WireView wire mappers #1-#6, <i>Quick Start Guide</i> , and medium soft case.
LR10G-100-1YS	1 year AllyCare Support for LR-10G (Use for either LR10G-100 or LR10G-100-KIT)
LR10G-100-3YS	3 year AllyCare Support for LR-10G (Use for either LR10G-100 or LR10G-100-KIT)
G3-PWRADAPTER	AC Charger replacement/spare for EXG-200 mainframe with country power cords
EXG-LR10G-KIT	Etherscope nXG 10G Performance Kit Includes: (1) EtherScope nXG and (1) LinkRunner 10G Use LR10G-100-1YS and EXG-200-1YS for 1 year of AllyCare support Use LR10G-100-3YS and EXG-200-3YS for 3 years of AllyCare support
EXG-LR10G-HOLSTER	Holster for LinkRunner 10G, EtherScope nXG, and EtherScope nXG CE
SFP+MR-10G850	SFP+ Optical Transceiver Module, SX/SR, 1G/10G, 850nm, Multimode
SFP+MR-10G1310	SFP+ Optical Transceiver Module, LX/LR, 1G/10G, 1310nm, Singlemode
US-WIFI-BT-USB	Edimax n150 Wi-Fi & Bluetooth USB Adapter for US and Canada
EU-WIFI-BT-USB	Edimax n150 Wi-Fi & Bluetooth USB Adapter for Europe

Specifications

General	
Dimensions	4.05 in x 7.67 in x 2.16 in (10.3 cm x 19.5 cm x 5.5 cm)
Weight	1.68 oz (0.77kg)
Battery	Rechargeable lithium-ion battery pack (7.2 V, 6.4 A, 46 Wh)
Battery Life	Typical operating life is 3-4 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	RJ-45 and SFP Analysis ports RJ-45 Cable Test and 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, 1 GB packet capture buffer
Charging	USB Type-C 45-W adapter: 100-240 Vac, 50-60 Hz; DC Output Power 15 V (3 A)
Media Access	Copper: 10M/100M/1G/2.5G/5G/10G Fiber SFP Adapters: 1G/10GBASE-X
Supported IEEE Standards	Wired: 802.3/ab/ae/an/bz/i/u/z PoE: 802.3af/at/bt, Class 0-8 and UPOE
Cable Test	Pair lengths, opens, shorts, split pairs, crossed, straight through, and WireView ID Multi-Gig link Signal-to-Noise (SNR) measurement (5 dB threshold)

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 netally.com/products/linkrunner10g