EtherScope™ nXG

Portable Network Expert

Key Features

- Test, verify, and troubleshoot technology upgrades, NBASE-T, 10G, and Wi-Fi 5/6 networks with advanced Android-based troubleshooting apps and purpose-built test hardware
- Verify up to 10G Ethernet link performance for critical servers, uplinks and key end devices, and validate Wi-Fi network performance
- Empowers technicians who may not have access to network management systems or other engineer-level tools, to assess and document complex network deployments with multiple VLANs and Wi-Fi SSIDs
- Seamlessly consolidate and manage field test data, and integrate with network management systems via complimentary Link-Live Cloud Service

Overview

Deploying and maintaining Wi-Fi and wired network infrastructure without the right tools can be daunting… and costly. The EtherScope nXG Portable Network Expert is a multi-technology, all-in-one handheld network that enables engineers and technicians to get more done faster, from deployment to maintenance and documentation of their ever-changing Wi-Fi and Ethernet access networks. With its simple operation, yet in-depth visibility, and the ability to remotely access and control EtherScope nXG, engineers can now fully enable and collaborate with "local hands" of field technicians at remote sites to expedite problem solving.

NEW

Capabilities

All-in-One Platform

- An Android-based handheld network tester that verifies, discovers and troubleshoots Wi-Fi and Ethernet network infrastructures
- Native 4x4 Wi-Fi that supports:
  - 802.11a/b/g/n/ac (wave 2) Wi-Fi network connectivity
  - Wi-Fi 6 network visibility
  - Analysis of SSIDs, BSSIDs, channel, client devices, and interference sources
- Ethernet port supports:
  - 10/100/1000Mbps to 2.5/5/10G
  - Verifies loaded power from 90W PoE switch
- Built-in Bluetooth v5/BLE and USB interfaces to discover and configure nearby device

Auto-Discovery Tool

- Discover network devices across multiple VLANs and Wi-Fi SSIDs through four Wi-Fi and Ethernet interfaces upon power up
- Powerful filter and sort function with automatic problem detection identifies issues such as:
  - Duplicate IPs
  - Congested switch ports
  - Oversubscribed Wi-Fi channels/SSIDs
  - Security issues, such as unknown switches, access points with open authentication and unencrypted APs

- Path Analysis shows the switch/router path to any connected device

10G Line Rate Performance Test

- Simultaneously generate and measure up to four streams of IP-based traffic through the Ethernet test port to:
  - Load the network with up to full 10G line-rate traffic
  - Test for packet loss, delay, and jitter
- Supports popular iPerf network throughout testing for Wi-Fi and Wired networks

Verify Complex Networks

- Out-of-the-box AutoTest profiles for Wi-Fi and wired networks that can be customized for your network
- Execute multiple AutoTest profiles that shorten test time to verify multiple VLANs and Wi-Fi SSIDs
- Define and assign groups of targets to AutoTest profiles to verify performance using ping, TCP Connect, Web, or FTP
- Packet capture from Wi-Fi and Ethernet to PCAP file

Centralized Management

- Complimentary Link-Live Cloud Service stores test result and site data upload for automated reporting and documentation
- Available API enables seamless data integration between Link-Live and trouble-ticket or network management systems

netAlly®

simplicity • visibility • collaboration

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Models & Accessories

Model Number/Name	Description
EXG-200	Includes: (1) EXG-200 mainframe with Li-ION battery, G3-PWRADAPTER, SFP+MR-10G850, Inline RJ-45 coupler, WireView wire mapper #1, *Quick Start Guide*, and small softcase.
EXG-200-1YS	1 Year AllyCare Support for EXG-200
EXG-200-3YS	3 Year AllyCare Support for EXG-200
EXG-200-KIT	Includes: (1) EXG-200 mainframe with Li-ION battery, G3-PWRADAPTER, G3-HOLSTER, SFP+MR-10G850, SFP+MR-10G1310, RJ-45 inline coupler, (1) Test Accessory, WireView wire mappers #1-#6, External Directional Antenna, IntelliTone™ 200 Probe, *Quick Start Guide,* and medium softcase.
EXG-200-KIT-1YS	1 Year AllyCare Support for EXG-200-KIT
EXG-200-KIT-3YS	3 Year AllyCare Support for EXG-200-KIT
EXG-200-KIT-2PK	Includes: (2) EXG-200-KIT
EXG-200-LRG2-KIT	Includes: (1) EXG-200-KIT and (1) LinkRunner G2 (LR-G2)
EXT-ANT	External Directional Antenna
G3-PWRADAPTER	AC Charger replacement/spare for EXG-200 mainframe with country power cords.
G3-HOLSTER	Holster for G3 EXG-200 mainframe
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

Specifications *(For full specifications, please refer to the product data sheet)*

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 lbs. (0.77 kg)
Battery	Removable, rechargeable lithium-ion battery pack (7.2 V, 6.4 A, 46 Wh)
Battery Life	Typical operating life is 3-4 hours; Typical charge time is 3 hours
Display	5.0-inch color LCD with capacitive touchscreen (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 SMA Connector (for External Directional Antenna)
SD Card Port	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 45-W adapter: 100-240 Vac, 50-60 Hz; DC Output Power 15 V (3 A) RJ-45: 802.3at PoE (25W) or higher
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 Wi-Fi: 802.11a/b/g/n/ac PoE: 802.3af/at/bt, Class 0-8 and UPOE
Cable Test	Pair lengths, opens, shorts, split-pairs, crossed, straight through, and WireView ID

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