NETSCOUT

| DATASHEET |

LinkRunner AT Network Auto-Tester

Key features include:

- *Multiple user-configured AutoTests*
- *Cable length measurement, fault location and fault type*
- *TruePower™ Power over Ethernet (PoE) measurement*
- *Ethernet speed and duplex verification at 10/100/Gigabit rates*
- *Twisted pair and fiber-optic link testing*
- *Nearest switch identification*
- *DHCP, DNS and Gateway connectivity tests*
- *Ping and TCP port connectivity tests to up to 10 user-selected targets*
- *Results saved on the tester or uploaded to the Link-Live Cloud Service with zero-touch*
- *Results, project and staff management using the Link-Live Cloud Service*
- *Packet reflection at rates up to 1 Gbps*

Network technicians and desktop support professionals are under ever-increasing pressure to deploy new infrastructure and ensure user satisfaction.

To address these challenges, LinkRunner™ AT Network Auto-Tester provides quick and complete copper and fiber-optic network connectivity testing. This rugged, handheld network tester speeds troubleshooting and reporting with a complete one-button AutoTest and zero-touch Link-Live cloud reporting. The AutoTest performs your required set of connectivity tests in 10 seconds, enabling you to quickly and accurately identify and solve network connectivity problems. Cloud reporting automatically uploads results to the Link-Live Cloud Service for project management and reporting.

The LinkRunner AT provides the answers you need to quickly troubleshoot connectivity problems:

Am I following the best troubleshooting practice?

Is this patch cable good? Where is the cable broken?

Where does the cable from this jack terminate?

Is this the correct switch and port? Is it delivering PoE power?

What is the speed and duplex of my copper and fiber links?

In seconds, the LinkRunner AutoTest provides these answers and more on a brightly colored display that's easy to read under desks or outdoors. You can document your test results to prove the job's done right. With a six-hour battery life and rugged design, the LinkRunner AT Network Auto-Tester can work wherever and whenever you need it.

LinkRunner AT Features

Instant-on operation — ready to run your first test in less than three seconds.

Get answers fast — user-defined AutoTest performs your required set of connectivity tests in seconds, enabling you to accurately and quickly identify and solve network problems. The AutoTest facilitates standardized troubleshooting by ensuring that everyone on the support team tests in accordance with the organization-defined, network-specific best practice. Create up to 10 AutoTest profiles for a variety of troubleshooting scenarios.

Take control — use the Link-Live Cloud Service to manage thousands of test results and multiple testers. Easily view and sort results. Organize results by job-specific folders. Tag individual results with detailed comments and images. Create professional reports customized with your logo and project specific information. Know who on your staff is testing what, where and when by assigning a tester to a technician.

Verify connectivity at 10/100/1G over copper or 100/1G over fiber — connect using copper or fiber, turn it on to see link status, connection type, signal strength and traffic.

Nearest switch and VLAN information — uses IEEE Link Layer Discovery Protocol (LLDP) plus the Cisco® and Extreme Discovery Protocols (CDP and EDP) to display the VLAN and nearest switch model, slot and port.

TruePower™ PoE testing — quickly validate PoE performance by drawing actual power up to the 802.3at standard 25.5W. Load the circuit to stress switches, cabling and patch panels, all while measuring the voltage and pairs being used. The ability to validate the TruePower delivery before installing cameras, AP's and phones ensures smooth deployment.

802.1X authentication — verify access to secure networks using 802.1X and MAC Access Control Lists (ACL). The included LinkRunner AT Manager software configures 802.1X EAP type, downloads certificates and enters passwords.

Cable verification and toning — check patch cables using the built-in wiremap port including pin-to-pin connection, or installed wiring for length, shorts, opens or split pairs. The optional office locator kit allows identification of up to six unique ports for documenting cable plants.

IPv4/IPv6 ready — supports both IPv4 and IPv6 networks.

Key device and application availability — in addition to ping, which is often blocked or disabled, the LinkRunner AT performs a TCP port open test to verify application connectivity to up to 10 user-defined servers using IPv4 and IPv6. Router, DNS and DHCP servers are reported.

Document results — Save test results locally on the tester or select the Link-Live Reporting Mode to have results automatically uploaded to the Link-Live Cloud Service. Results on the tester are downloaded to your PC and managed locally using the LinkRunner AT Manager PC application. Results uploaded to the cloud service are managed using any smart device with a browser and an internet connection.

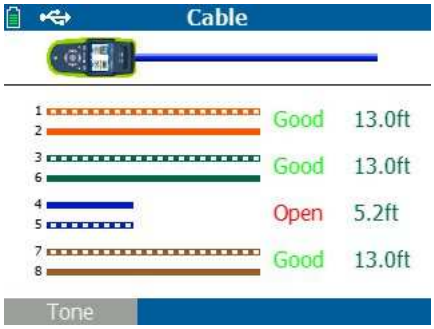
Designed for field use — six-hour Li-ion battery life, one-handed operation and a rugged design.

LinkRunner AT Functions

Cable Length
Measure the length of non-terminated twisted pair cables with TDR.

Graphical Cable Wiremap
Find opens, shorts, miswires and split pairs on non-terminated cable with a WireView Cable Identifier or the built-in wiremap port.

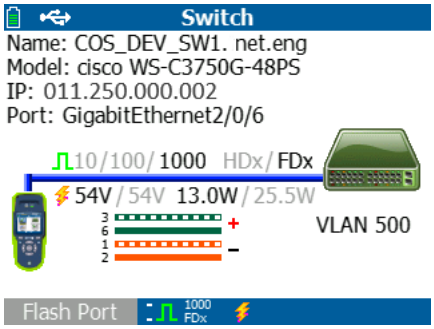
Cable Location
Locate cable runs with toning, switch port discovery, switch port LED blinking and cable identification with up to six remote cable identifiers. Toning supports both analog and digital IntelliTone™ modes.



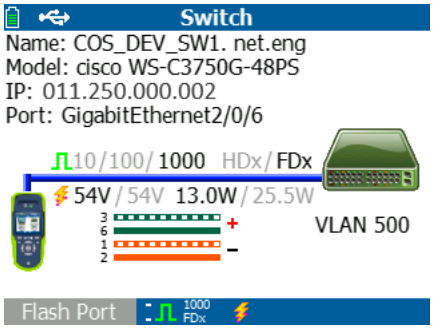
Cable test showing pairs 4 and 5 are open.

Switch Information
LinkRunner AT decodes discovery packets to display critical, nearest-switch information including:

- Switch name and model
- IP address
- Port, slot and VLAN
- Duplex and speed (actual and advertised)
- Signal strength
- Connection MDI or MDI/X
- PoE voltage and power (actual and test limits)
- Graphical representation of power on pairs



1 Gigabit link on copper with PoE on port 6



1 Gigabit link on fiber on port 38

TruePower™ PoE Loading
Verify you are receiving the required current and voltage up to 25.5W to power your PoE enabled devices. The LinkRunner TruePower PoE loading draws actual power to verify that your PoE enabled devices will have the required power to function.

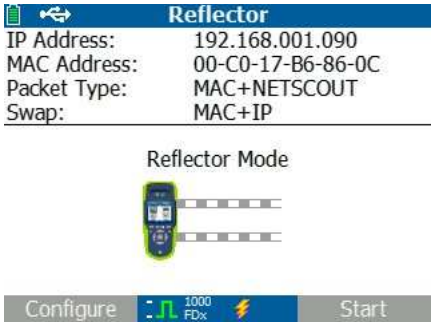
AutoTest
Verify enterprise connectivity in seconds with AutoTest. Standardize your set of critical network tests in profiles to run every time. Create, save and share up to 10 network and task specific profiles. Tests include:

- PoE (copper only) class
- Link speed and duplex (actual and advertised)
- RX pair and polarity
- 802.1x authentication
- Switch name, port, VLAN, model and IP
- DHCP auto-negotiation with subnet and DHCP server addresses
- IPv4 and IPv6 availability
- Ping and TCP port connectivity with lost and min, max and average speed

Ping and TCP Port Connectivity
Verify connectivity to key devices with ping and TCP connectivity testing. Devices automatically include a router, DNS server and DHCP server. Configure 10 additional devices to meet your requirements by URL or IPv4 / IPv6 address and optional application port number.

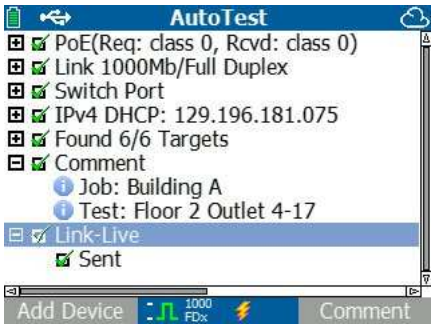
Reflector
The packet reflector mode allows use as a remote device during end-to-end network path performance testing to validate LAN and WAN throughput capabilities at rates up to 1 Gbps. The LinkRunner AT 2000 model supports packet reflection for multiple testers including:

- OptiView™ XG Network Analysis Tablet
- OneTouch™ AT Network Assistant



Link-Live Reporting Mode

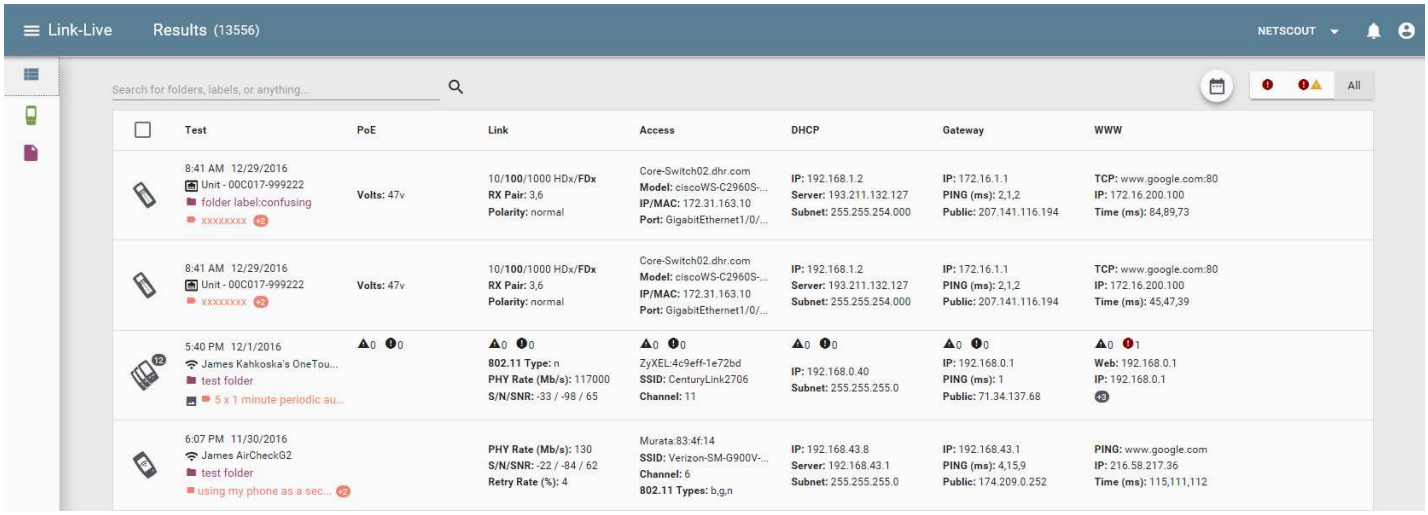
Enable Link-Live Reporting Mode to have AutoTest results automatically uploaded to the Link-Live Cloud Service. This zero-touch reporting feature speeds and simplifies reporting and ensures that results are consistently saved. Append comments to each test result. You can even add an image to a test result — a photograph of the link under test for example. Results can be automatically saved to job-specific folders to simplify project management. Up to 10 results are held in memory in the absence of a network connection and uploaded later when a connection is available.



RESULT MANAGEMENT OPTIONS

Link-Live Cloud Service

Once the LinkRunner AT is connected to the Link-Live Cloud service, basic network connectivity test results are automatically uploaded to the dashboard for project management and reporting. This internet-hosted service is available from anywhere at any time using any device with a browser and internet connection. It is especially useful for managers of remote teams that need visibility to test results instantly. In addition, teams that utilize companions to the LinkRunner AT such as the LinkSprinter, AirCheck G2, or OneTouch AT have a single dashboard system to manage results from network connectivity tests.



Link-Live dashboard