

AllyWare Common Technology Platform

NetAlly's network testers and analyzers are built on our **AllyWare** common technology platform, united in Link-Live for collaboration, analysis, and reporting. For organizations that use different NetAlly tools for different jobs, this provides valuable benefits:

- **Consistency of Data** – regardless of the tool used, a common dataset means teams do not have to synthesize or normalize data coming from different sources.
- **Efficiency** – all data from every tool rolls up to Link-Live to facilitate team & project management, speed problem resolution, and automatically document results.
- **Speed of Onboarding** – common apps and processes enables staff to quickly train new hires.
- **Flexibility** – once trained / onboarded, anyone can use any NetAlly tool.



AllyWare Common Technology Platform*		Product Name						
		LinkRunner AT 3000	LinkRunner AT 4000	LinkRunner 10G	EtherScope nXG	AirCheck G3	CyberScope	CyberScope Air
AutoTest & Profiles		•	•	•	•	•	•	•
Switch Test		•	•	•	•		•	
Cable Test		•	•	•	•		•	
Ping/TCP Test		•	•	•	•	•	•	•
Capture			•	•	•	•	•	•
Discovery/Topology Mapping			•	•	•	•	•	•
Wi-Fi					•	•	•	•
AirMapper Site Survey					•	•	•	•
Path Analysis			•	•	•	•	•	•
Spectrum					•	•	•	•
Performance ¹				•	•		•	
Performance Test Reflector		•	•					
LANBERT™ ¹		•	•	•	•		•	
iPerf			•	•	•	•	•	•
Link-Live™ Cloud Service		•	•	•	•	•	•	•
Nmap							•	•
App Store		•	•	•	•	•	•	•

Purpose-Built with AllyWare



AutoTest & Profiles

Comprehensive network link test validates all aspects of network connectivity.

Value: Allows engineers to transfer their knowledge of network configurations to the instrument, empowering front-line technicians to run tests against wired and Wi-Fi networks with minimal training.



Switch Test

Identifies the nearest connected switch and critical configuration information using LLDP, CDP, and EDP.

Value: Quickly view switch information, such as name/port, detected link speed/duplex, and VLAN configuration. If PoE is enabled, test the power that the switch can offer under load, against what the switch advertises.



Cable Test

Validate cabling for proper termination, test for length, common miswires, and distance to fault.

Value: Quickly identify cable faults like opens, shorts, or split pairs. You can also validate the wiremap, cable length, shield, or see if the other end of the cable is connected to a switch/station.



Ping/TCP Test

Verify connectivity to on or off-network devices, ensure TCP port availability, trend results over 24 hours to detect intermittent issues.

Value: Allows you to verify consistency and identify intermittent issues. These tests can be easily recalled by field technicians to reduce configuration time or mistakes, to get more done faster.



Capture

Capture network traffic in the form of packets as data streams back and forth over wired or wireless connections.

Value: Allows you to gather the evidence needed for in-depth troubleshooting and problem escalation.



Performance¹

Test upstream/downstream network performance at 10G line-rate for measuring bandwidth, QoS, and service provider SLAs between sites.

Value: Verify SLA of critical network links when deploying NBASE-T or 10G links to support critical device, e.g. 10G servers, network-attached-storages, and high-speed Wi-Fi access points, ensuring you're getting the bandwidth you expect.



Performance Test Reflector

Enables you to conduct end-to-end network performance tests when used with other NetAlly testers.

Value: Allows you to verify SLA of critical network links when deploying 1G links to support IoT devices, ensuring you're getting the bandwidth you expect.



LANBERT™ Generator¹

LANBERT generates and measures the transmission of line-rate Ethernet frames over your network cabling infrastructure, qualifying its ability to support 1G/10G on fiber and 100M/1G/2.5G/5G/10G on copper links.

Value: With the insatiable growth in bandwidth, network professionals must have confidence that their network will transport all data error-free and at the maximum speed possible. LANBERT allows you to maximize the utilization of your existing cabling, preventing unnecessary upgrades.



iPerf

Runs an iPerf3 performance test to a NetAlly Test Accessory or an iPerf server endpoint.

Value: Verifies speeds of critical network links that support critical devices like Wi-Fi access points, ensuring you are getting the throughput you expect.



Discovery & Topology Mapping*

Discover network devices, endpoints, and common problems across multiple VLANs, plus generate Topology Maps in Link-Live.

Value: See what is on the network and where it is connected. Identify changes in connected devices and links, plus quickly investigate and locate “suspect” devices and identify problems associated with device misconfiguration.



Wi-Fi Test

Complete set of Wi-Fi troubleshooting and validation tools with automated problem detection and device location.

Value: Helps you diagnose various conditions on wireless networks and identify specific problems, which can be sorted by severity or time detected. Drill in to see detailed descriptions of problems and recommended courses of action.



AirMapper Site Survey

Quickly and easily gather location-based Wi-Fi and Bluetooth/BLE measurements and create visual heat maps of key performance metrics in the Link-Live.

Value: Faster and easier than using a laptop or tablet with an attached dongle or tethered device, ideal for quick site surveys of new deployments, change validation, and performance verification.



Path Analysis

Shows the switch/router path to any connected device.

Value: Used to identify issues such as overloaded interfaces, overloaded device resources, and interface errors. Breaks through the “visibility ceiling” between wired networks, showing who and what is on your network, where they are connected, and their path across your network.



Spectrum

Uses the optional NXT-1000 Mobile Spectrum Analyzer, to view RF interference and its impact on the wireless network’s overall performance.

Value: Simplifies interference troubleshooting and location by providing visibility into the 2.4GHz and 5.0GHz bands spectrum, plus helps secure No Wireless Zones by detecting and locating intentional RF interference sources such as RF jammers.



Nmap

Execute targeted Nmap scripts in conjunction with AutoTest and Discovery.

Value: Perform automated tests to validate infrastructure hardening, including SNMP, HTTPS, SSH, management VLAN, and network segments, plus scan for vulnerabilities.



Link-Live

Collaboration, reporting, and analysis platform designed to improve team workflows.

Value: Log, document, and report test activity from all NetAlly handheld network testers and analyzers, enabling collaboration across your entire team.



App Store

Allows you to download third-party apps from the Link-Live app store.

Value: Expand tester functionality to accomplish many tasks in addition to testing.

*LANBERT and Performance tests require the use of two units, a controller and remote.

*Depending on each product’s capabilities, AllyCare-enabled features can include Advanced Topology Mapping in Link-Live, and Remote View & Control; these features are only available to customers with AllyCare support.

