

# LinkRunner® Network Tester Upgrade Guide



TESTING FEATURE (CAPABILITY)	AT 1000	AT 2000	G2	AT 3000	AT 4000	10G
<b>PHYSICAL LAYER TESTING</b>						
Cable Test (TDR + Wiremapping)	•	•	•	•	•	•
Tone Generator (Including IntelliTone™)	•	•	•	•	•	•
Fiber Optic Capability		100M/1 Gbps MM/SM SFP				1/10 Gbps MM/SM SFP
<b>AUTOTEST</b>						
PoE Testing (Class range)	Class 0-4		Class 0-8, UPOE, Injector			
TruPower™ PoE Load Testing		Up to 30W	Up to 70W	Up to 71.3W		
Test PoE Injectors Voltage			•	•	•	•
802.1x Validation	•	•	•	•	•	•
802.1x Connection Log				•	•	•
VLAN ID	•	•	•	•	•	•
Monitor VLAN trunk ports			•	•	•	•
Connect & Verify Link Speed/Duplex – 10M, 100M, 1G	•	•	•	•	•	•
Connect & Verify Link Speed/Duplex – Multi-Gig/NBASE-T/10G						•
Link Speed Detection – Multi-Gig, NBASE-T/10G				•	•	•
Detect Link Speed Downshift			•	•	•	•
Nearest Switch ID & Port Test (CDP/EDP/LLDP)	•	•	•	•	•	•
Switch Interface Details				•	•	•
Switch Port Interface Utilization, Discards, Errors (via Discovery/SNMP)					•	•
DHCP Client	•	•	•	•	•	•
DHCP Connection Log, Response Time, 2nd DHCP Offer, DHCP Options				•	•	•
IPv6 Support		•	•	•	•	•
PING DNS Server	•	•	•	•	•	•
DNS Name Lookup and Response Time				•	•	•
Gateway Test	•	•	•	•	•	•
Test to IP Targets (PING / TCP CONNECT)	10	10	Unlimited			
End User Response Time Test (HTTP / FTP)					•	•
Profile Groups + Advanced configuration options in AutoTest				•	•	•
Periodic AutoTest					•	•
Control the depth of AutoTest with “Stop After”			•	•	•	•
AutoTest Reverse Grading (customizable Pass or Fail on result)				•	•	•

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<b>DIAGNOSTIC APPS</b>						
Ping/TCP App				•	•	•
Packet Capture			•		•	•
Network Discovery					•	•
L2/L3 Path Analysis					•	•
Network Topology Mapping (in Link-Live)					•*	•*
iPerf Test App			Via 3rd Party Apps		•	•
Network Performance Test Reflector (1 Gbps) <i>(Using EtherScope® nXG, CyberScope® or LinkRunner 10G as the source/test controller)</i>		•	•	•	•	Full Function Controller + Peer
Run 3rd party apps to perform complete workflows (Label Printers, Trouble Tickets, Configuration Utilities, etc.)			•	Product Registration Required	•	•
<b>ADDITIONAL FEATURES, ETC.</b>						
Web Remote Control (via Link-Live) or VNC				•*	•*	•*
Out-of-Band Management Port			Via optional USB Wi-Fi Adapter			•
Option to Disable Functionality (Controlled Edition Feature) <sup>1</sup>				•	•	•
Over-the-Air software updates (via Link-Live)			•*	•*	•*	•*
Number of reports that can be saved	10	50	Unlimited (via Link-Live)			
	Via PC application					
Support for BT/BLE Accessories			Optional Via USB Adapter			
Label Printing (Optional)						
Wi-Fi Connectivity						
Basic Wi-Fi Visibility			Via 3rd Party Apps & USB Wi-Fi Adapter			
On Unit Resources			Web Browser	User Guide, Videos, Web Browser		
User Interface	Buttons		Touch Screen			
Screen Size	2.8 in / 7cm color LCD (320 x 240 pixels)		5.0 in / 12.7 cm color LCD (480 x 800 pixels)	5.0 in / 12.7cm color LCD (720 x 1280 pixels)		
Onboard Audio (Internal speaker, or use BT/BLE or USB)			•	•	•	•
Camera (Document tests, scan barcodes, etc.)			Optional via USB Adapter			•
Micro SD Card (for additional storage)						•
Battery Life	6 Hours (AA Batteries)	6 Hours	4 Hours	10 Hours		4 Hours
	Li-ION rechargeable					
AC Adapter	Proprietary Barrel Connector			15V USB-C Adapter		
Power/Charge Off PoE			•	•	•	•
AllyCare Premium Support	Optional				1st Year Included	

<sup>1</sup>Administrators can disable specific functionality, allowing the analyzer to be used in restricted or secure environments.

\*AllyCare-Enabled Feature - Products that are sold with 1-year AllyCare Support included have certain features and capabilities enabled. At the end of your existing contract, you must renew your AllyCare Support contract to continue utilizing the enabled features.

