

AirCheck™ G2 vs. EtherScope® nXG

You may be wondering, which is the best fit for you, AirCheck G2 or the EtherScope nXG? The AirCheck G2 is a great tool and is loved by Wi-Fi professionals all over the world. Still, the EtherScope nXG is the latest and greatest from NetAlly, has won awards, and has some unique functionality. How do these two tools compare to each other?

Here are the biggest differences between both tools:

- Wired vs. Wireless** – The biggest difference between these tools is the network media technologies that they support. The AirCheck G2 is a Wi-Fi tester with some basic copper Ethernet testing capabilities. The EtherScope nXG is an all-in-one wired and wireless tester that supports multiple technologies like Ethernet copper, Ethernet Fiber, Wi-Fi, and Bluetooth (and more, with its Android OS and extensible USB ports).
- Wi-Fi 6 and 6GHz** – Both the AirCheck G2 and EtherScope nXG provide Wi-Fi 6 visibility on the 2.4GHz and 5GHz bands. Still, because of the native Wi-Fi 6/6E radio, the EXG-300 model of the EtherScope nXG also provides visibility into the 6GHz band. It also allows you to connect at actual Wi-Fi 6/6E data rates.
- Level of Analysis** – Another big difference is the amount of information they provide. Both provide Wi-Fi visibility, but the EtherScope nXG can also be used for short term monitoring. Because of that, not only do you get visibility of the RF at the time measurements were performed, but you also get trend graphs that show you how the wireless network environment changes over time.
- Applications** – The AirCheck G2 provides all the Wi-Fi site surveying, analysis, and troubleshooting functionality you will ever need. Still, if you like the idea of adding extra functionality to your tools, the EtherScope nXG may be a better solution for you. Because of the Android operating system, the EtherScope nXG allows you to install third party apps on your tool as needed.

In conclusion, if you are looking for a cost-effective Wi-Fi site surveying, testing, and troubleshooting tool, the AirCheck G2 would be a great choice for you. If the idea of having a tool that supports multiple technologies, includes a native Wi-Fi 6/6E radio, can be used for short term monitoring, and allows you to expand its functionality by installing apps, then EtherScope nXG is the perfect solution.



Product Comparison Chart

Features	EtherScope® nXG	AirCheck™ G2
Technology Support		
802.11 Media Type Support	802.11a/b/g/n/ac/ax	802.11a/b/g/n/ac/ax <i>(802.11ax visibility provided using an 802.11ac radio)</i>
Wi-Fi Bands (2.4, 5, 6GHz)	Tri-Band	Dual-Band
Number of 802.11 Radios	2	1
802.11 Spatial Streams	2 x 2 and 1 x 1	3 x 3
Bluetooth Support	Yes	No
Wired Ethernet Support	10M/100M/1G/2.5G/5G/10G	10M/100M/1G
Wired Ethernet Interfaces	Copper (2) and Fiber (1)	Copper (1)
Operating System	Android (runs 3rd party apps)	Custom version of embedded Linux
Wi-Fi Validation & Troubleshooting		
AirMapper Wi-Fi Site Surveys	Yes <i>(Active & Passive on the same walkthrough)</i>	Yes <i>(Active or Passive per walkthrough)</i>
AirMapper Bluetooth/BLE Site Survey	Yes	No
Wi-Fi Throughput Measurements	Yes <i>(iPerf 3, Test Accessory, and SpeedTest support)</i>	Yes <i>(iPerf 3 and Test Accessory support)</i>
Spectrum Analysis	Yes <i>(optional with NXT-1000)</i>	No
Packet Captures	Yes <i>(Wired and Wi-Fi, includes Wi-Fi 6 data frames)</i>	Yes <i>(Wi-Fi only, does not include Wi-Fi 6 data frames)</i>
Channel Overlap (“Channel Map”)	Yes <i>(2.4, 5, 6GHz bands)</i>	Yes <i>(2.4, 5GHz bands only)</i>
Unauthorized & Rogue Device Detection	Yes	Yes

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Features	EtherScope® nXG	AirCheck™ G2
Wi-Fi Validation & Troubleshooting - continued		
Connectivity Troubleshooting Tools	Yes	Yes
Wi-Fi Interference Analysis (CCI, ACI)	Yes	Yes
Detection of High Utilization in a Channel	Yes	Yes
AutoTest Functionality	Yes <i>(Can run both wired & wireless tests at the same time)</i>	Yes <i>(Wireless test only)</i>
Periodic AutoTest	Yes	No
Device Finder	Yes <i>(For AP's, Clients)</i>	Yes <i>(For AP's, Clients, and Non-802.11 Devices)</i>
Roaming Analysis	Yes	Yes
Wi-Fi Trends over Time	Yes	No
Expert Advice	Yes	No
Wi-Fi Device & Detection		
AP Detection & Priorities	Yes	Yes
Device Names	Yes <i>(Both AP & Client names)</i>	Yes <i>(AP names only)</i>
Client Detection & Properties	Yes <i>(Connected & Non-Connected)</i>	Yes <i>(Connected & Non-Connected)</i>
Non-802.11 Interfering Device Detection & Properties	No	Yes
Access Control List (ACL)	Yes <i>(Set Manually)</i>	Yes <i>(Can import list from AP Controller)</i>
Ethernet Troubleshooting		
Wired Connectivity Troubleshooting Tools	Yes	Yes
VLAN Validation	Yes <i>(Includes advanced VLAN monitoring)</i>	Yes <i>(Basic VLAN validation)</i>
Voice VLAN Validation	Yes <i>(Includes advanced Voice VLAN monitoring)</i>	Yes <i>(Basic Voice VLAN validation)</i>
PoE Verification	Yes , plus TruePower™ load testing <i>(Supports 802.3af/at/bt, Class 0-8 & UPOE)</i>	Yes <i>(Supports 802.3af/at)</i>
Cable Tests	Yes	No
Wired Network Discovery	Yes	No
Cloud Services		
Test Result Repository	Yes <i>(Using Link-Live)</i>	Yes <i>(Using Link-Live)</i>
AirMapper Heatmap Generation	Yes <i>(Using Link-Live or AirMagnet Survey PRO)</i>	Yes <i>(Using Link-Live or AirMagnet Survey PRO)</i>
Topology Mapping	Yes <i>(Using Link-Live)</i>	No
Unit Management		Yes <i>(Using Link-Live)</i>
Profile Sharing		
Attach notes, screenshots & photos to Test Results		
Over the Network Software Updates		No
Cloud Remote Control		
Reporting		
Local Reports	No	Yes <i>(Using "AirCheck G2 Manager" Software)</i>
Cloud Reports	Yes <i>(Using Link-Live)</i>	Yes <i>(Using Link-Live)</i>
Site Survey Reports	Yes <i>(Using Link-Live or AirMagnet Survey PRO)</i>	Yes <i>(Using Link-Live or AirMagnet Survey PRO)</i>
Other		
External Antenna Support	Yes	Yes
Screenshot Captures		
VNC Remote Access and Control		
Save Results to USB Thumb Drive		No
Save Results to microSD Card		
Integrated Camera		
Integrated Microphone		