# AirCheck™ G3 Pro
## Wi-Fi 6 Wireless Analyzer

**Now with Wi-Fi 6/6E!**

### Rugged instrument for comprehensive network validation & troubleshooting

- Native Wi-Fi 6, 2.4/5/6GHz band, and Bluetooth/BLE support
- Quickly test, verify, troubleshoot, and map Wi-Fi networks
- Faster and easier Wi-Fi and Bluetooth/BLE site surveys with AirMapper™ Site Survey app
- Quickly find the physical location of Wi-Fi access points and clients on the 2.4GHz, 5GHz, and 6GHz bands

### Overview

The AirCheck G3 Wireless Analyzer's intuitive user interface provides actionable intelligence, speeding and simplifying wireless deployment, troubleshooting and validation. AirCheck G3 is the most cost-effective hardware-enabled site survey solution for Wi-Fi 6/6E networks. It provides network professionals of any skill level with complete and accurate information to survey and validate Wi-Fi deployments and changes, resolve connectivity and performance problems quickly, speed up closure of trouble tickets, and ensure your Wi-Fi network meets end users' needs.

If you need a tool that supports the 6GHz band, includes a native Wi-Fi 6 radio, can be used for short term monitoring, allows you to expand its functionality by installing apps, and has longer battery life, then AirCheck G3 is the perfect solution.

## Product Comparison Chart

| Features | AirCheck™ G2 | AirCheck™ G3 | EtherScope™ nXG |
|---|---|---|---|
| **Technology Support** | | | |
| **802.11 Media Type Support** | 802.11a/b/g/n/ac *(802.11ax visibility provided using an 802.11ac radio)* | 802.11a/b/g/n/ac/ax | |
| **Wi-Fi Bands (2.4, 5, 6GHz)** | Dual-Band | Tri-Band | |
| **Number of 802.11 Radios** | 1 | 2 | |
| **802.11 Spatial Streams** | 3 x 3 | 2 x 2 and 1 x 1 | |
| **Bluetooth Support** | No | Yes | |
| **Wired Ethernet  Link Test** | 10M/100M/1G | No | 10M/100M/1G/2.5G/5G/10G |
| **Wired Ethernet Interfaces** | Copper (1) | No | Copper (2) & Fiber (1) |
| **Operating System** | Custom version of embedded Linux | Android (runs 3rd party apps*)* | |
| **Wi-Fi Validation & Troubleshooting** | | | |
| **AirMapper Wi-Fi Site Surveys** | Yes *(Active or Passive per walkthrough)* | Yes *(Active & Passive on  the same walkthrough)* | |
| **AirMapper Bluetooth/BLE Site Survey** | No | Yes | |
| **Wi-Fi Throughput Measurements** | Yes *(iPerf 3 and Test Accessory support)* | Yes *(iPerf 3, Test Accessory, and SpeedTest support)* | |
| **Spectrum Analysis** | No | Yes *(Optional with NXT-1000)* | |
| **Packet Captures** | Yes *(Does not include Wi-Fi 6 data frames)* | Yes *(Wi-Fi only)* | Yes *(Wired & Wi-Fi)* |

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|---|---|---|---|
| **Wi-Fi Validation & Troubleshooting** - *continued* | | | |
| **Channel Overlap ("Channel Map")** | Yes *(2.4, 5GHz bands)* | Yes *(2.4, 5, 6GHz bands)* | |
| **Unauthorized & Rogue Device Detection** | | | |
| **Connectivity Troubleshooting Tools** | | | |
| **Wi-Fi Interference Analysis (CCI, ACI)** | | | |
| **Detection of High Utilization in a Channel** | | | |
| **AutoTest Functionality** | Yes *(Single profile at a time)* | Yes *(Wi-Fi only)* | Yes *(Wired & Wi-Fi)* |
| **Periodic AutoTest** | No | | |
| **Device Finder** | Yes *(For AP's, Clients, and Non-802.11 Devices)* | Yes *(For AP's, Clients)* | |
| **Roaming Analysis** | Yes | | |
| **Wi-Fi Trends over Time** | No | Yes | |
| **Expert Advice** | No | | |
| **Wi-Fi Device Analysis** | | | |
| **AP Detection & Priorities** | Yes | | |
| **Device Names** | Yes *(AP names only)* | Yes *(Both AP & Client names)* | |
| **Client Detection & Properties** | Yes *(Connected & Non-Connected)* | | |
| **Non-802.11 Interfering Device Detection & Properties** | Yes | No | |
| **Access Control List (ACL)** | Yes | | |
| **Cloud Services** | | | |
| **Test Result Repository** | Yes *(Using Link-Live)* | | |
| **AirMapper Heatmap Generation** | Yes *(Using Link-Live or AirMagnet Survey PRO)* | | |
| **Topology Mapping** | No | Yes *(Using Link-Live)* | |
| **Unit Management** | Yes *(Using Link-Live)* | | |
| **Profile Sharing** | | | |
| **Attach notes, screenshots & photos to Test Results** | | | |
| **Over the Network Software Updates** | | | |
| **Cloud Remote Control** | No | | |
| **Reporting** | | | |
| **Cloud Reports** | Yes *(Using Link-Live)* | | |
| **Site Survey Reports** | Yes *(Using Link-Live or AirMagnet Survey PRO)* | | |
| **Other** | | | |
| **External Antenna Support** | Yes *(Dual-Band)* | Yes *(Tri-Band)* | |
| **Screenshot Captures** | Yes | | |
| **VNC Remote Access and Control** | | | |
| **Save Results to USB Thumb Drive** | | | |
| **Typical Battery Life** | 4.5 hours | 10 hours | 4 hours |
| **Charge Time** | 7 hours | 3 hours | 3 hours |

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