

AirMagnet® Survey PRO

Wireless Design & Site Survey Analysis Software

Key Features






- Predictively model Wi-Fi 6 network changes or design a new network without physically rolling out APs
- Collect real-world data by performing true end-user experience measurements using AirMapper™ Site Survey on the AirCheck™ G3 and EtherScope™ nXG
- Generate heatmaps that provide full visibility of WLAN coverage, noise, SNR, interference, throughput, data rates, retries, loss, and more on the 2.4/5/6 GHz bands
- Save time by performing active and passive surveys in a single walk-through



Overview

Network professionals conducting and analyzing AirMapper Wi-Fi site surveys (using AirCheck™ G3 Pro or EtherScope® nXG) will many times find areas of the network with insufficient coverage or poor performance. Resolving those issues could require changes to the infrastructure, either installing new APs, relocating existing APs, and/or configuration changes. With its powerful design tools AirMagnet Survey PRO enables network professionals to predictively model the required changes, ensuring that problems found during the AirMapper site survey are fixed correctly, resulting in improved Wi-Fi network performance and connectivity.

Key Features

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Wi-Fi 6E Survey Analysis
 - Assess end-user experience on the 2.4/5/6GHz bands
 - Shows visualizations of Wi-Fi parameters like:
 - Signal Strength, Noise, SNR
 - Channel Width and MCS
 - Data Rates and Throughput
 - Allows IT staff to predictively model network improvements
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Real-World Data Collection & Simulation
 - True end-user experience measurements using AirMapper™ Site Survey
 - Faster and easier Wi-Fi site surveys with an entirely mobile platform
 - Create “what-if” scenarios:
 - Changing AP transmit power
 - Channel
 - Environmental noise
 - Simulate moving, removing, or adding APs
 - Avoid interference and over-allocation
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Wi-Fi 6 Planning
 - Accurately design WLANs by:
 - Modeling building construction materials/obstructions
 - Finding ideal AP placement
 - Visualizing coverage across multiple floors
 - Validate results with real-world data
 - Account for RF interference from non-802.11 devices
 - Test plans against design requirements
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Custom Reports
 - Integrated reporting module
 - Custom Reports of:
 - Designs
 - Site Surveys
 - Simulations
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Outdoor Surveys
 - Fully-automated outdoor wireless site surveys
 - Leverage GPS device to collect outdoor wireless data
 - Import street maps of any city
 - Export heatmaps into Google Earth™

Models & Accessories

Models / Name	Description
AM/A4018G	AirMagnet Survey PRO (includes Planner)
AM/B4010G	AirMagnet Survey Express
AM/A4016G	AirMagnet Survey Express to Survey PRO (Upgrade Model)
AM/D1095	AirMagnet Multi-adapter kit for Survey (different versions available depending on regulatory domain)
AIRCHECK-G3-PRO	AirCheck G3 Pro mainframe with 1 year of AllyCare support, shoulder sling bag, and AC charger
TEST-ACC	Test Accessory Pocket iPerf Server, for use with AirCheck G2 and AirMagnet Survey (can be used independently)

Support

Models / Name	Description
AM/A4018G-1YS	1 year AllyCare Support for AirMagnet Survey PRO (includes Planner) — AM/A4018G
AM/A4018G-3YS	3 year AllyCare Support for AirMagnet Survey PRO (includes Planner) — AM/A4018G
AM/B4010G-1YS	1 year AllyCare Support for AirMagnet Survey Express — AM/B4010G
AM/B4010G-3YS	3 year AllyCare Support for AirMagnet Survey Express — AM/B4010G
AM/A4016G-1YS	1 year AllyCare Support for AirMagnet Survey Express to PRO — AM/A4016G
AM/A4016G-3YS	3 years AllyCare Support for AirMagnet Survey Express to PRO — AM/A4016G
AIRCHECK-G3-PRO-1YS	1 year AllyCare support for all AIRCHECK G3 PRO models, including “E” (Partial Tri-Band) and “C” (Dual Band only) SKU’S: AIRCHECK-G3-PRO, AIRCHECK-G3-PRO-KT, AIRCHECK-G3-PRO-TKT.
AIRCHECK-G3-PRO-3YS	3 year AllyCare support for all AIRCHECK G3 PRO models, including “E” (Partial Tri-Band) and “C” (Dual Band only) SKU’S: AIRCHECK-G3-PRO, AIRCHECK-G3-PRO-KT, AIRCHECK-G3-PRO-TKT.

NOTE: The first year of AllyCare support is required for all AirMagnet products.

System Requirements

Laptop/Notebook PC/Tablet PC

Operating Systems: Microsoft Windows 10 Pro/Enterprise 64-bit, or Microsoft Windows 11 Pro/Enterprise 64-bit.

Intel® Core™ i5 2GHz (Intel® Core™ i7 or higher recommended)

4 GB (8 GB or higher recommended)

800 MB free hard disk space

AirMagnet-supported wireless network adapter(s) or Aircheck G3/EtherScope nXG with AirMapper™ (*recommended*)

Apple® MacBook® PRO

Operating Systems: MAC OS X v10.5 (Leopard™) or higher running a supported Windows OS (as noted under Laptop/Notebook PC/Tablet PC section) using Boot Camp®

Intel® Core™ i5 2GHz (Intel® Core™ i7 or higher recommended)

4 GB (8 GB or higher recommended)

800 MB free hard disk space

AirMagnet-supported wireless network adapter(s) or Aircheck G3/EtherScope nXG with AirMapper™ (*recommended*)

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