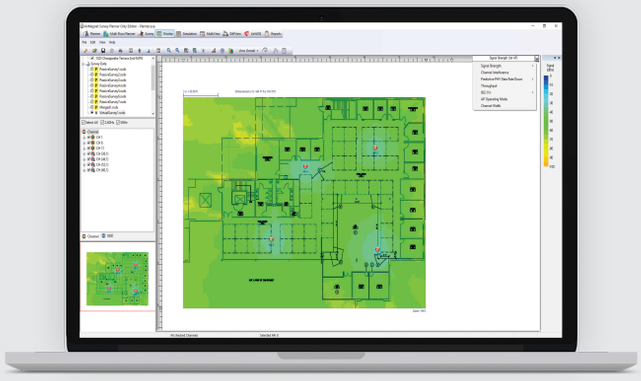
netAlly

DATA SHEET

AirMagnet® Planner

Wireless Network Planning Tool

Overview



Haphazard planning of a wireless deployment can lead to overspending, as well as underserved and less-than-thrilled end-users. AirMagnet Planner is a Wi-Fi network planning tool that saves time, money, and frustration by accounting for building materials, obstructions, access point configurations, antenna patterns and a host of other variables to provide a predictive map of Wi-Fi signal and performance, before the network or physical building is constructed.

- Plan and design WLAN networks (802.11a/b/g/n/ac) without physically rolling out any access points (APs)
- Optimize AP count and layout for maximized coverage and performance by modeling building construction materials/obstructions and AP placement
- Reduce time spent planning by quickly importing walls from CAD floorplans
- Estimate Wi-Fi deployment budgets; generate installer-ready BOM reports
- Plan migration strategies as new users or technologies are introduced

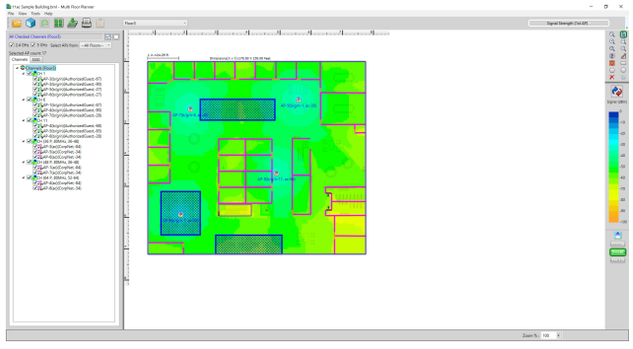
Key Features

Sophisticated WLAN Modeling

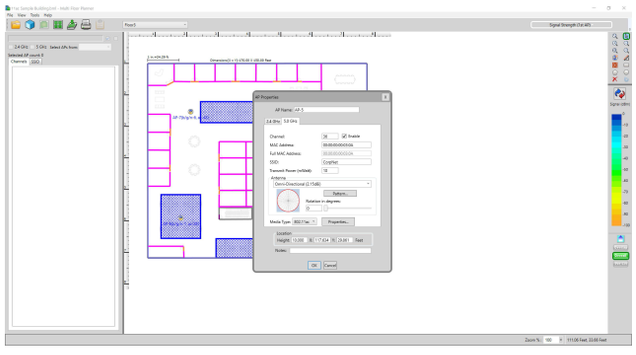
AirMagnet Planner makes it easy to build a detailed model of any wireless environment - even before the network is deployed or the building is constructed. Simply load in a map of the location and use the built-in library of walls, doors, and windows to precisely match the building's characteristics.

AirMagnet Planner allows users to add APs to any location and experiment to find the ideal placement within the environment, based on their requirements. AirMagnet Planner also provides independent settings for 2.4 GHz and 5 GHz radios. Users can set the AP channel, IP address, transmit power, antenna type, orientation, height, and 802.11 specifications. After the planning session is complete, users can generate a professional Bill of Materials report that includes the necessary information to properly install the network. Along with RF coverage information, users can access performance metrics such as data rates and throughput.

An "advisor feature" is included with AirMagnet Planner to automatically place APs on site floor plans. Users can specify the minimum signal coverage expected, the transmit power, the media type of the AP, and more while marking Wi-Fi coverage areas and areas where APs cannot be placed.



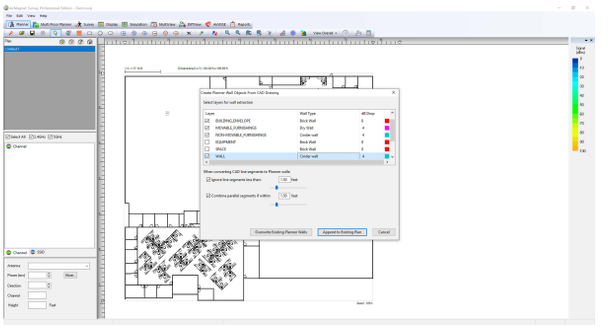
Automated WLAN modeling



Set AP Details

Automatic Wall Extraction (AWE)

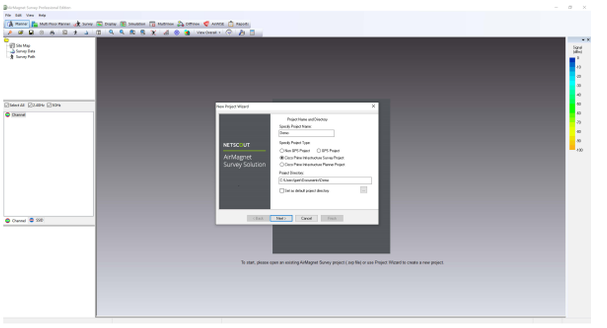
Users can reduce the amount of time spent preparing a floor plan for wireless deployment by quickly importing walls from CAD floor plans with only a few clicks of the mouse. Each CAD layer can be individually selected and given a unique attenuation type.



Automatic Wall Extraction

Integration with WLAN Infrastructure Vendors

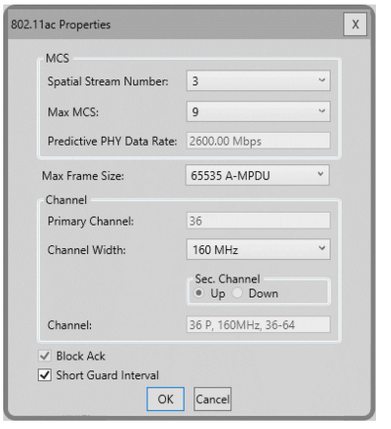
Users can create and export planner projects directly to Cisco Prime. This saves time and resources needed for setting up maps, AP placement locations, and other WLAN deployment modeling activities by eliminating the need to repeat these tasks within Cisco Prime. This integration dramatically increases operational efficiencies for both AirMagnet and Cisco Prime users by eliminating the need to repeat wireless planning and site survey tasks commonly associated with deployment and ongoing management of a WLAN network.



Integration with WLAN Infrastructure

802.11 Modeling

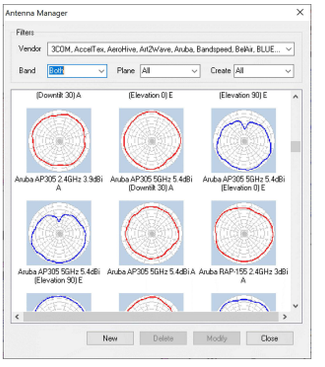
With AirMagnet Planner, users can design new 802.11 networks and plan their migration strategies for existing legacy networks, such as, including one-to-one replacements, or the phased introduction of devices into their legacy network. Plan deployments for user capacity or performance without any tedious physical AP rollout. AirMagnet Planner provides unique coverage maps for WLAN throughput and other technology-specific heat maps, such as signal coverage, Operating Modes, MCS Transmit Rate, Channel Width, and Channel Overlap. This feature allows users to predict the WLAN performance at every location on the floor, easily offering the best design that minimizes any rework after network deployment. Since AirMagnet Planner is part of a single, seamless application with AirMagnet Survey PRO, users can validate “modeled” 802.11 results against “real-world” or “active” post-deployment surveys.



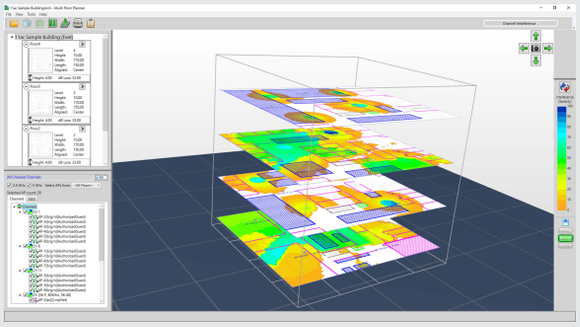
802.11 Modeling Properties Window

Custom Antenna Design

AirMagnet Planner includes over 300 of the most popular antenna patterns on the market for customizing APs, including Cisco, Aruba, Ruckus Wireless, Extreme Networks, Meru, Fortinet, Huawei, Meraki, Mist, and more. AirMagnet Planner also includes a built-in tool to create customized antenna patterns, allowing users to replicate the characteristics of literally any available antenna.



Customized Antenna Patterns



Multi-Floor Modeling using AirMagnet Planner

Multi-Floor Modeling

When users plan and design wireless access in multi-floor buildings, reusing services of APs lower equipment deployment costs. AirMagnet Planner's multi-floor planning capability allows planners to capitalize on resuing services by visualizing coverage and performance via heat maps across floors, providing powerful insight into service bleed over onto adjacent floors.

Empower your organization with visualizations of signal strength, data rates, Operating Mode, MCS Transmit Rate, Channel Width, Channel Overlap between floors, and more.

Ordering Guide

Model Number/Name	Description
AM/A4012	AirMagnet Planner (Standalone)
AM/A4018	AirMagnet Survey PRO (includes Planner)

Bundles

Model Number/Name	Description
AM/A1480	AirMagnet WLAN Design and Analysis Suite Bundle (Survey PRO/Planner, WiFi Analyzer PRO and Spectrum XT)
AM/A1490	AirMagnet WLAN Design and Analysis Suite Bundle with Multi Adapter Kit (Survey PRO/Planner, WiFi Analyzer PRO, Spectrum XT, and (3) NETSCOUT 11ac USB adapters). Available in US & Canada only.
AM/A1580	AirMagnet Survey PRO/Planner and Spectrum XT Bundle
AM/A1481	AirMagnet WiFi Analyzer PRO and Survey PRO/Planner

Support

Model Number/Name	Description
AM/A4012-1YS	1 year AllyCare Support for AirMagnet Planner
AM/A4012-3YS	3 year AllyCare Support for AirMagnet Planner
AM/A4018-1YS	1 year AllyCare Support for AirMagnet Survey PRO (includes Planner)
AM/A4018-3YS	3 year AllyCare Support for AirMagnet Survey PRO (includes Planner)
AM/A1480-1YS	1 year AllyCare Support for AirMagnet WLAN Design and Analysis Suite Bundle
AM/A1480-3YS	3 year AllyCare Support for AirMagnet WLAN Design and Analysis Suite Bundle
AM/A1490-1YS	1 year AllyCare Support for AirMagnet WLAN Design and Analysis Suite Bundle with Multi Adapter Kit
AM/A1490-3YS	3 year AllyCare Support for AirMagnet WLAN Design and Analysis Suite Bundle with Multi Adapter Kit
AM/A1580-1YS	1 year AllyCare Support for AirMagnet Survey PRO/Planner and Spectrum XT Bundle

Support *continued*

AM/A1580-3YS	3 year AllyCare Support for AirMagnet Survey PRO/Planner and Spectrum XT Bundle
AM/A1481-1YS	1 year AllyCare Support for AirMagnet WiFi Analyzer PRO and Survey PRO/Planner
AM/A1481-3YS	3 year AllyCare Support for AirMagnet WiFi Analyzer PRO and Survey PRO/Planner

System Requirements

Laptop/Notebook/PC/Tablet PC
Operating Systems: Microsoft® Windows 7 Enterprise/Professional/Ultimate or Microsoft Windows 8 PRO/Enterprise 64-bit, Microsoft Windows 8.1 PRO/Enterprise 64-bit, or Microsoft Windows 10 PRO/Enterprise 64-bit
Intel® Core™ 2 Duo 2.00 GHz (Intel® Core™ i5 or higher recommended)
4 GB or higher
800 MB free hard disk space
A site map in a format supported by AirMagnet Planner (supported formats are: .bmp, .dib, .dwg, .dxf, .emf, .gif, vsd, .jpg, .wmf, .vdx or .png)
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®-based CPU 1.6 GHz or higher
4 GB or higher
800 MB free hard disk space
A site map in a format supported by AirMagnet Planner (supported formats are: .bmp, .dib, .dwg, .dxf, .emf, .gif, vsd, .jpg, .wmf, .vdx or .png)