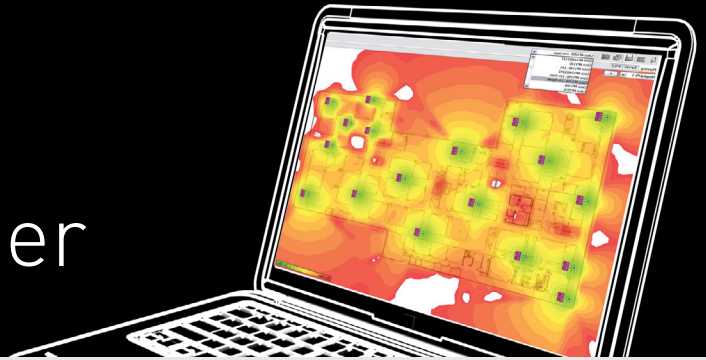




Ekahau Site Survey with 3D Wi-Fi Planner



Wi-Fi Planning, Verification, Troubleshooting

Developed for all wireless engineers, from systems integrators to IT administrators, Ekahau Site Survey™ (ESS) is an easy-to-use design, verification, and troubleshooting tool. It runs on laptops and tablets with Windows® (including Mac using Bootcamp).

Ekahau Site Survey ensures high performance and capacity (BYOD) for any Wi-Fi network (802.11ac/n/legacy) that is used for VoIP, video, location tracking, or high-speed data. If a Wi-Fi network is not yet in place, ESS will automatically suggest access point placement and configurations for optimal set-up. For Wi-Fi networks already in place, ESS allows quick and easy site surveys, performance and capacity analysis, optimization, and troubleshooting to enhance existing configurations.

3D Wi-Fi Planner

ESS automatically creates a multi-floor Wi-Fi network plan based on specified performance and capacity requirements. Within seconds, ESS will identify the optimal number of access points, as well as the best locations and channels for Aps, revealing how the Wi-Fi network will perform before going on-site. The 3D Planner considers signal leakage between floors to help minimize inter-floor channel interference

Site Survey Verification

During a single, quick walkthrough, ESS executes passive and active tests, using multiple Wi-Fi adapters, simultaneously. Once the walkthrough is complete, ESS delivers maps depicting the network coverage and connectivity. ESS also discovers all the audible access points and automatically locates them. Both pre-deployment and post-deployment surveys are fully supported.

- ▶ 802.11ac / n Fully Supported

Network Planning

- ▶ Automated AP placement and optimization
- ▶ Automated wall detection from floor plan*
- ▶ Coverage and performance simulation
- ▶ Supports hundreds of 3D antennas & APs
- ▶ Integrates with Cisco Prime

Site Surveys

- ▶ Passive and active surveys
- ▶ Throughput (iPerf) surveys
- ▶ Multi-adapter support
- ▶ GPS outdoor surveys
- ▶ USB survey adapter included
- ▶ Integrates with Cisco Prime

Analysis / Reports

- ▶ Clear visualizations:
 - Signal strength, SNR
 - Noise / interference
 - Channel overlap
 - Data rate, overlap
 - Roaming, RTT, packet loss
 - Network health analysis
 - Capacity (BYOD) analysis
- ▶ Locates access points
- ▶ Spectrum analysis**
- ▶ Template-based reporting

Troubleshooting

- ▶ On-the-spot and map-based
- ▶ Find Wi-Fi issues:
 - Rogue APs, broken APs
 - Misconfigured SSIDs
 - 802.11ac/n issues
 - Missing security configs
 - Packet loss, high latency
 - Excessive interference

* Automatic wall detection requires CAD floor plan

** Spectrum Analyzer sold separately

Analyze and Report

ESS makes in-depth network analysis easy with accurate, color-coded heat maps. Map options include signal strength, data rate, packet loss, roaming, overlap, and various other characteristics. ESS also has the most comprehensive capacity analysis tools out there. All of the findings can be compiled into a report using Ekahau reporting systems. For super-easy reporting, use the standard report, or join the many ESS users that are already saving weeks of reporting time per year with the 100% customizable report templates.

Optimize, Troubleshoot, Simulate

ESS helps identify and fix Wi-Fi issues such as misconfigured access points, undetected rogue access points, missing SSIDs and security settings, signal leakage, and coverage holes. Advanced simulation capabilities allow users to create what-if-scenarios, such as moving or replacing access points, increasing network load, or increasing the number of devices in the network.

ESS provides two main methods for troubleshooting: On-the-spot troubleshooting, where the network is tested and analyzed in real time, and post-survey troubleshooting, where users will see the issues and their impact on a map.

The optional Ekahau Spectrum Analyzer allows users to detect and analyze the impact of non-Wi-Fi interference sources. These include microwave ovens, cordless phones, wireless video cameras, and motion detectors.

The Bottom Line

Whether assessing an existing Wi-Fi network or one that is about to be built, professional tools are necessary. Check out our website and contact us for a free, personal online demo!

More information, videos, and images available at:
www.ekahau.com/wifidesign

Shipped with ESS

NIC-300 USB Survey Adapter



System Requirements

OS: Windows 7 or 8 (64 and 32bit)
Processor: 1.5GHz or faster
RAM: 2GB (4+GB recommended)
Wi-Fi Adapter: Ekahau NIC-300 recommended and included with each purchase
Floor plan (jpeg/png/etc, CAD, SVG)

Ekahau East Coast
(Headquarters)
1851 Alexander Bell Drive
Suite 105
Reston, VA 20191
Tel: 1-866-4EKAHAU
Fax: 1-703-860-2028
[sales-america\[at\]ekahau.com](mailto:sales-america[at]ekahau.com)

Ekahau Europe
(Sales, R&D, Product Management)
Hiilikatu 3
00180 Helsinki, Finland
Tel: +358-20-743 5910
Fax: +358-20-743 5919
[sales-europe\[at\]ekahau.com](mailto:sales-europe[at]ekahau.com)

Ekahau APAC
(Regional office)
B38, Tower 8, Imperial Cullinan
10 Hoi Fai Road, Tai Kok Tsui
Hong Kong
Tel: +852 9227 8406
[sales-asia\[at\]ekahau.com](mailto:sales-asia[at]ekahau.com)

Global Tech Support: www.ekahau.com/support

www.ekahau.com/wifidesign