ekahau
Wi-Fi Design

Ekahau Site Survey

Features

802.11ac / n Fully Supported

Network Planning
- Automated AP placement and optimization
- Simulate coverage and performance
- Hundreds of 3D antennas & APs
- Integrates with Cisco Prime

Site Surveys
- Passive and active surveys
- Multi-adapter support
- GPS outdoor surveys
- USB survey adapter included

Analysis / Reports
- Clear visualizations:
  - Signal Strength, SNR
  - Noise / Interference
  - Channel overlap
  - Data Rate, Overlap
  - Roaming, RTT, Packet Loss
  - Network Health Analysis
  - Capacity (BYOD) Analysis
- Locate access points
- Spectrum analysis**
- Template-based reporting

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

RTLS Deployment Tools
- RTLS calibration
- Accuracy analysis

** Spectrum Analyzer sold separately

Wi-Fi Planning, Verification, Troubleshooting

For wireless professionals, IT managers, and administrators, Ekahau Site Survey™ (ESS) is an easy-to-use design, verification and troubleshooting tool. ESS is a visual, software-based tool that runs on laptop computers running Windows (also runs on a 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 you don't have a Wi-Fi network yet, ESS will automatically suggest access point placement and optimal configurations. If you already have a Wi-Fi network in place, ESS allows quick and easy site surveys, performance and capacity analysis, optimization, and troubleshooting.

Auto-Planner Creates Your Wi-Fi

ESS automatically creates a multi-floor Wi-Fi network plan for you, based on your performance and capacity requirements. Within seconds, ESS will tell you the optimal number of access points, as well as the best locations and channels for the APs. You will also see how the Wi-Fi network will perform before going on-site. The 3D planning uses signal leakage between floors to your benefit while minimizing the inter-floor channel interference.

Multi-Adapter Site Surveys

During a single, quick walk-through, ESS makes passive and active tests, using multiple Wi-Fi adapters simultaneously. After a single, quick walk-through, you will get complete coverage and connectivity maps. During the survey, ESS also discovers all the audible access points and automatically locates them.

Analyze and Report

ESS makes in-depth network analysis easy with accurate, color-coded heat maps. Signal strength, data rate, packet loss, roaming, overlap, and various other characteristics are available. Wi-Fi is not about coverage anymore, but more about capacity and ESS has the most comprehensive capacity analysis tools out there. All of the findings, including access point and site information, can be automatically compiled into comprehensive reports.

Optimize, Troubleshoot, Simulate

ESS helps you 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 you to create what-if-scenarios, such as moving or replacing access points, increasing network load, or changing the channel and channel range.

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 you will see the issues and their impact on a map.

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

Full RTLS Integration

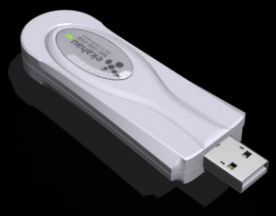
Your Wi-Fi network can also be used to accurately track assets and people using the real time location system (RTLS) from Ekahau (sold separately). ESS fully integrates with Ekahau RTLS to minimize deployment time and cost. The site survey data is used to calibrate the location system - no separate calibration is needed.

The Bottom Line

Whether you already have an existing Wi-Fi network or are about to build one, with Ekahau Site Survey, you will quickly be on your way to Wi-Fi that truly works. By choosing ESS, you're not alone: Our 15,000+ customers include the folks that deploy the world's largest and highest-performing Wi-Fi networks.

Shipped with ESS

NIC-300 USB Survey Adapter



We also recommend

Ekahau Spectrum Analyzer

System Requirements

OS: Windows 7 or 8 (64 and 32bit), Vista (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)

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

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