

Ekahau AI Pro

Powerful Wi-Fi planning and AI Design for the most reliable, best performing wireless networks – now including 6 GHz



The Most Trusted Solution for Business-Critical Wi-Fi Design

Ekahau AI Pro is the Wi-Fi design software of choice for IT professionals leading business-critical Wi-Fi design and deployment projects. Create powerful AI-assisted predictive wireless network designs for perfect AP placements, simulate network upgrades against real-world environments, inspect collected and live survey data, and generate custom reports detailing the performance health of your network.

Featuring a robust database of thousands of wireless access point and antenna patterns, Ekahau AI Pro is the tool of choice for designing wireless networks for all Wi-Fi standards, including Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax in 6GHz), and 802.11a/b/g/n/ac.

Support your next gen business applications with the unprecedented speed and reliability of your Ekahau-perfected 6 GHz network design.

Create Fast and Reliable Networks with Powerful AI Tools and Expert-level Customization Options

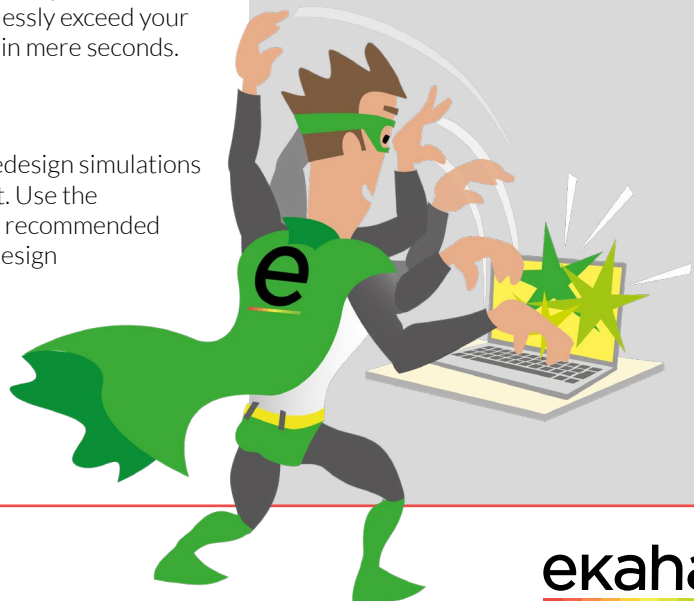
AI Pro takes your business requirements for Wi-Fi connectivity and identifies the ideal wireless access point placements for your Wi-Fi network. Ekahau AI Auto-Planner runs tens of thousands of iterations against your specific wall materials and floor plan to find the optimal positions for your AP placements. Generate a multi-floor Wi-Fi network design that will effortlessly exceed your design requirements while minimizing channel interference in mere seconds.

Design Your Wireless World in 6 GHz Today

Evaluate your options for 6 GHz with rip-and-replace and redesign simulations tuned to your exact network requirements and environment. Use the automatic Channel Planner and Network Simulator to show recommended improvements to your current network design or start a redesign with the all-new AI Auto-Planner and discover your network's optimal AP placements and configuration.

Key Features

- ✔ 6 GHz (Wi-Fi 6E) Design Support
- ✔ AI Auto-Planner
- ✔ 4000+ Access Points and Antennas
- ✔ Intuitive Workspaces
- ✔ Automatic Channel Planner
- ✔ Network Simulator
- ✔ Automatic Wall Calibration
- ✔ CAD Import
- ✔ Advanced Reflections and Diffractions
- ✔ 26 Heatmap Visualizations
- ✔ Template-Based Reporting
- ✔ Cisco Integrations
- ✔ Optimized for Ekahau Sidekick



Ekahau AI Pro

AI Auto-Planner

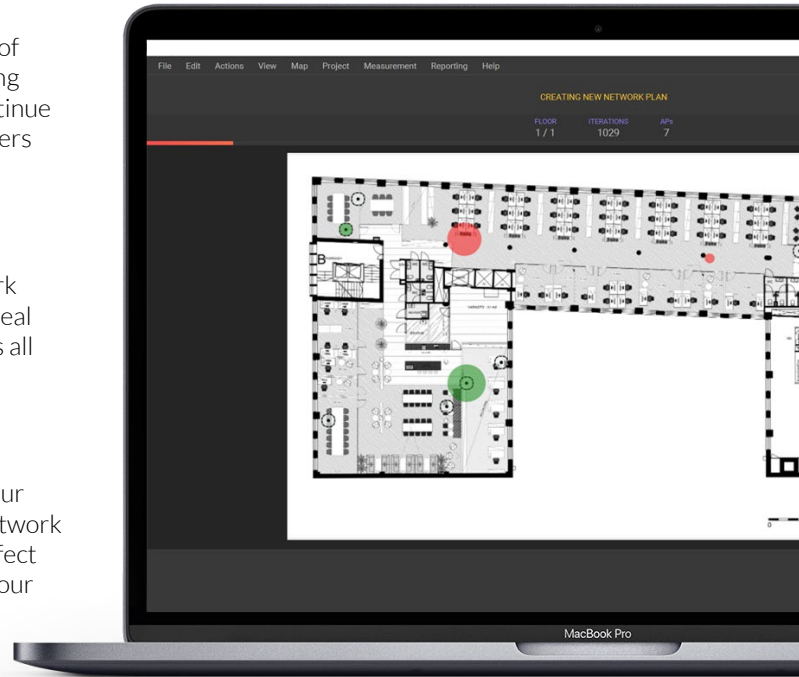
Create your AI-optimized network design in seconds as thousands of iterative optimizations automate the tedious task of manually placing and configuring your APs. Use the AI-generated design as-is or continue adjusting it to fit your specific installation needs. Perfect for new users just getting started and veteran Wi-Fi design pros alike.

Channel Planner

Determine the absolute best channel configuration for your network with an automatic channel optimization algorithm that utilizes the real signal patterns of your APs to minimize channel interference across all three bands (2.4 GHz, 5 GHz, and 6 GHz).

Network Simulator

Test channel configuration changes for instant improvements on your network today or run rip-and-replace scenarios to see how your network would perform with different AP models. Network Simulator is perfect for visualizing the impact of 6 GHz on your network and ensuring your Wi-Fi 6E investment is set up for immediate success.



Intuitive Workspace Interface in Dark Mode

Use the intuitive workspaces to seamlessly move between Design, Inspect, Survey and Live modes. The tools and panels change to display the most helpful information for the task at hand, and the dark mode color scheme adds improved contrast to visualizations and tables.

Automatic Wall Attenuation Calibration

Improve design accuracy and eliminate hidden wall attenuation anomalies with automatic wall calibration. Use your measured survey data from your Ekahau Sidekick to highlight wall inconsistencies in your design and click-to-accept recommended changes for better, more accurate designs.

Advanced Reflections and Diffractions

Enable maximum accuracy settings and account for not only the signal attenuation of wall materials, but also the reflection and diffraction properties of those materials as well.



Wireless Network Design

- Expert AI-driven access point placement and network optimization
- Automated wall detection from CAD floor plans
- Coverage and capacity requirements with custom or predefined best practice inputs
- Set multiple requirement areas within the same floor
- 22 predefined wall types or add your own custom wall types

Predictive Design Support for the Latest Wi-Fi Standards and All Wi-Fi Vendors

- Supports legacy and modern Wi-Fi standards, including Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax in 6GHz), and 802.11a/b/g/n/ac
- Simulated tri-band visualizations for 2.4 GHz, 5 GHz and 6 GHz radios
- Includes 4000+ Wi-Fi access points and antennas from all vendors
- Cisco Integration: Cisco DNAc & Prime Import / Export, BLE planning, Cisco AP name detection, Multi-SSID detection, Multi-radio detection

Site Surveys

- Passive and active surveys
- Throughput (iPerf) surveys
- Spectrum surveys*
- Multi-adapter support
- Add and review image and text notes

Inspect & Troubleshoot

- Inspect collected and simulated data with 26 heatmap visualization
- Real Time Frequency Monitoring
- All-in-one troubleshooter:
 - + Passive Wi-Fi measurements
 - + Active Wi-Fi tests
 - + Spectrum analysis*
- Display access point and channel configurations to reveal common interference issues
- Identify coverage issues, interference problems, Wi-Fi equipment failures, misconfigurations, roaming problems, and more
- Capacity troubleshooting
- VoIP, video, RTLS: Wi-Fi issues per application

Analysis / Reports

- Clear visualizations:
 - + Signal strength, SNR
 - + Secondary & tertiary coverage
 - + Noise / interference
 - + Channel interference
 - + Data rate, overlap
 - + Roaming, RTT, packet loss
 - + Network health analysis
 - + Capacity analysis
 - + Spectrum channel power / utilization
- Locate access points with visual pings
- Locate non-Wi-Fi interfering devices
- Generate easy-to-interpret reports for your entire Wi-Fi project with a single click or create fully customized template-based reports

Use with Ekahau Sidekick & the Connect Suite

- Provide fast and accurate on-site surveys as well as simultaneous spectrum analysis
- Easy to use mobile apps for surveying and analyzing network health
- Automatic interference detection used to identify and locate the exact source causing Wi-Fi problems
- Wi-Fi performance analytics with browser-based heatmap view and guest sharing

System Requirements

- Supported Operating Systems:
 - + Windows 11 (64bit)
 - + Windows 10 (64bit)
 - + Windows 8 (64bit)
 - + Windows 7 (64bit)
 - + Mac OS 10.11 -12 (El Capitan – Monterey)
 - + Processor: 1.5+GHz, multi-core recommended
 - + Memory: 4+ GB RAM, 8GB RAM recommended, 16GB+ RAM recommended for very large projects
 - + Hard disk space: 1GB required
- Supported Files:
 - + CAD: DWG/DXF
 - + PDF
 - + Vector: SVG
 - + Bitmap: BMP/GIF/JPEG/PNG
- * Some features require Sidekick spectrum analyzer

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Windows is a trademark of Microsoft Corporation

Holen Sie sich die richtige Lizenz für jedes Teammitglied

	Vollversion Ekahau Wi-Fi Suite	Ekahau Measure Plus	Ekahau Measure
	Erforderlich: Ekahau Sidekick 2	KOSTENLOSEM 1-jährigem Abonnement Measure Lizenzverlängerung	Connect-Abonnementverlängerung

Unbegrenzte WLAN-Datenerfassung	✓	✓	✓
Ekahau Survey App für iOS/Android (Einschließlich „Just Go Survey“-Modus!)	✓	✓	✓
Cloud Project Sync mit Gastzugang	✓	✓	✓
Sidekick 2 Diagnosegerät	✓	✓	✗
Design und Redesign von WLAN-Netzwerken mit den neuesten AP- und Antennenmodellen	✓	✗	✗
WLAN-Optimierer mit Schritt-für-Schritt-Konfigurationsanleitungen	✓	✗	✗
Erweiterte WLAN-Fehlerbehebung mit Live-Spektrum-Ansicht und Paketerfassung	✓	✗	✗
Dashboard für die Insights WLAN-Leistungsanalyse	✓	✗	✗
AP-Herstellerintegrationen	✓	✗	✗

Ekahau-Guide zu fantastischem WLAN



OPTIMIEREN SIE IHR NETZWERK

Optimizer wandelt Messdaten in einfache Konfigurationsänderungen um, die Sie in wenigen Minuten durchführen können.

Vollversion Ekahau Wi-Fi Suite

VERÄNDERUNGEN IMMER EINEN SCHRITT VORAUSS

Führen Sie regelmäßige Gesundheitschecks Ihres WLANs durch, beheben Sie Fehler effizient und planen Sie strategische Änderungen.

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MESSEN SIE DIE WLAN-DATEN

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NEW Measure **NEW** Measure Plus

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ekahau
WIRELESS DESIGN

Ekahau Sidekick 2

The fastest, most precise Wi-Fi testing and measurement device now supercharged and tuned for 6 GHz (Wi-Fi 6E), 5 GHz, and 2.4 GHz



If You Want Great Wi-Fi, You Need Sidekick 2

You can't guess with Wi-Fi. From floor plan scale and wall material attenuation, to environmental interference and validation measurements — accuracy matters. Ekahau Sidekick 2 is the fastest, most advanced Wi-Fi performance testing and measurement device on the market, lab calibrated to deliver pinpoint accuracy for reliable and repeatable Wi-Fi signal and spectrum data capture.

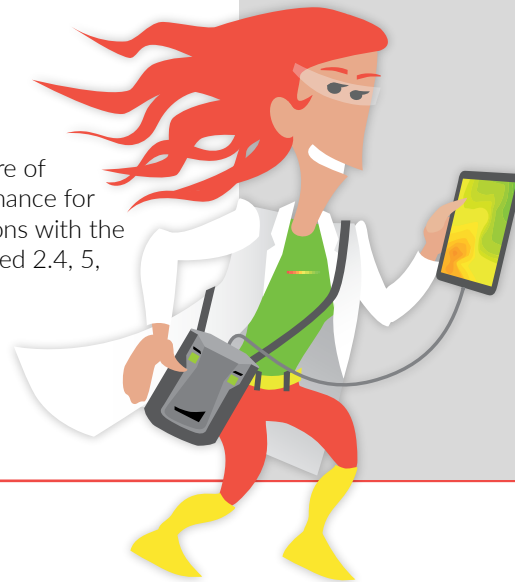
Save time and money by getting AP placement right the first time and rest easy knowing you have what you need to identify and address Wi-Fi issues before they lead to costly outages. Put simply — if you want great Wi-Fi, you need Sidekick 2.

Unrivalled Speed and Accuracy

The new levels of accuracy available with Sidekick 2 allow you to not only identify your Wi-Fi signal strength at every point of your network, but also measure your network health and provide early detection for environmental changes that can negatively impact your network. With Sidekick 2, you can ensure your Wi-Fi is always optimized and ready to meet the connectivity needs of your business.

Validate and Visualize 2.4, 5, and 6 GHz Wireless Networks

Take full advantage of the upgraded speed and channel availability of Wi-Fi 6E with a network design that's been validated for 6 GHz by the most trusted name in Wi-Fi design. With 4 enterprise-grade tri-band Wi-Fi radios, Sidekick 2 scans more data across more channels than any other Wi-Fi measurement tool giving you the clearest picture of your Wi-Fi health, and ensuring the highest level of performance for your Wi-Fi users. Support your next-gen business applications with the unprecedented speed and reliability of your Ekahau-perfected 2.4, 5, and 6 GHz network designs.



Key Features

- ✔ 2.4/5/6 GHz (Wi-Fi 6E) Wi-Fi Site Survey & Spectrum Analysis
- ✔ 4 Enterprise-Grade Tri-Band Wi-Fi Radios
- ✔ 9 Custom Wideband 3D Antennas
- ✔ 50 Sweeps/Second Spectrum Analyzer
- ✔ All-Day Battery Life
- ✔ Whisper-Quiet Active Cooling
- ✔ USB-C Connectivity
- ✔ Support all regulatory domains
- ✔ For use with Android, Windows, iOS or macOS

Ekahau Sidekick 2

4 Enterprise-Grade Tri-Band Wi-Fi Radios

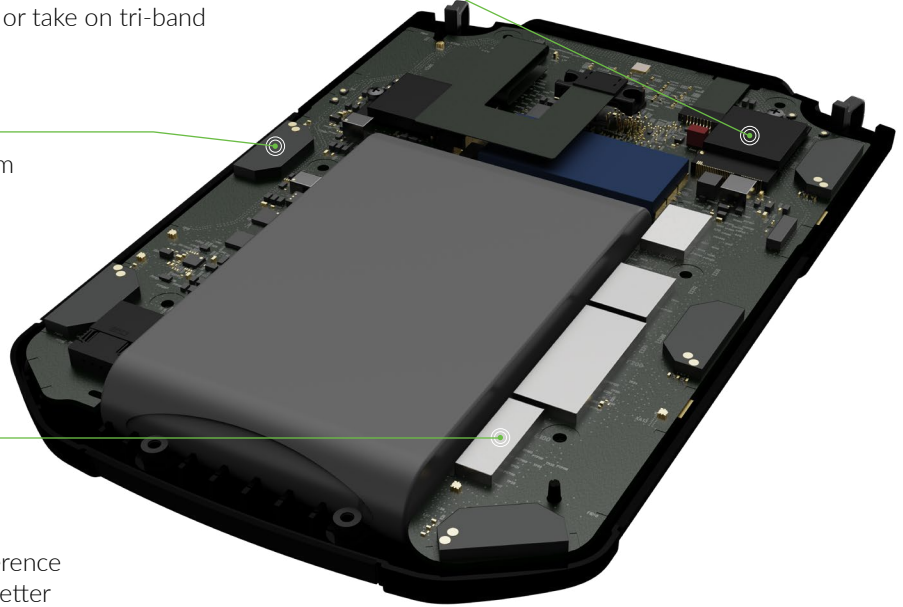
Capture more data in less time with 4 tri-band Wi-Fi radios that scan 2.4, 5 and 6 GHz frequency bands faster than the original Sidekick scans just 2.4 and 5. Supercharge your dual-band network survey speeds or take on tri-band networks faster than you've ever surveyed before.

9 Custom Wideband 3D Antennas

Get unbeatable accuracy and reliability with 9 custom designed 3D antennas positioned for optimum omnidirectional measurement consistency. By eliminating variances between devices, you can trust the data collected is always accurate and actionable.

50 Sweeps/Second Spectrum Analyzer

See the invisible Wi-Fi spectrum from 2,400–7,125 MHz in brilliant high definition with the fastest refresh rates so you'll never miss a microsecond of interference. Capture quicker interference events and zoom in to the smallest details with 4X better resolution bandwidth.



All-Day Battery

Built with the largest battery allowed on commercial airlines, Sidekick 2 powers more than a full day of onsite surveying on a single charge and can even be topped off for an extra 4 hours of active use with just 1 hour of charging.

Whisper-Quiet Active Cooling

The active cooling system in Sidekick 2 maintains optimal operating temp in harsh conditions. It's whisper quiet and just one of the many reasons that Sidekick 2 is so cool.

Now Featuring USB-C Connectivity

Charge faster and with improved reliability thanks to a USB-C connection port that's always the 'right way' no matter how you plug it in. The snug fit and reinforced cable management channel takes the pressure off your connection and reduces the chance of an accidental mid-survey disconnect.



Ekahau Sidekick 2

Android, Windows, iOS or macOS. Sidekick 2 connects.

- Ekahau Sidekick 2 enables professional Wi-Fi site surveys and spectrum analysis on your device of choice (including the one in your pocket).

Wi-Fi Measurement & Testing

- 4x tri-band (2.4, 5 & 6 GHz) high performance Wi-Fi radios
- 9 custom 3D integrated antennas for omnidirectional accuracy
- Wi-Fi 4, Wi-Fi 5, Wi-Fi 6, Wi-Fi 6E site surveys
- Legacy 802.11a/b/g site surveys
- Configurable scanning channels
- Supports all regulatory domains
- Wi-Fi amplitude range: -20...-92 dBm

Spectrum Analyzer

- Tri-band (2.4, 5 & 6 GHz) high resolution spectrum analyzer
- Max sweep speed: up to 50 sweeps per second (2.4, 5 & 6 GHz @ max accuracy)
- Amplitude range: -20...-92 dBm
- Frequency range: 2.400-2.495 & 5.000-7.125 MHz
- Spectrum capture width: 80 MHz
- Frequency resolution: 19 kHz all bands

Package Contents

- Ekahau Sidekick 2 unit
- Messenger strap
- Power supply
- USB-C - USB-C cable
- Quick guide setup instructions

Battery

- Battery life:
 - + Typical site survey: 2 working days on a single charge
 - + Quick charge: Top off for an extra 4hrs of active use with 1hr charge
- Rechargeable Li-ion: 96.4 watt hrs (Largest available on commercial airlines per FAA guidelines)

Product Specifications

- Dimensions: 155 mm x 226 mm x 39 mm (7.14" x 8.9" x 1.54")
- Weight: 1080 g (2.4 lbs)
- Battery: 96.4 Wh Li-ion
- Power Supply: USB-C 20V/3A
- Operating temperature: +5°C...+35°C
- Storage temperature: -20°C ...+60°C
- Storage: 120 GB SSD
- Hardware warranty: 1 year (3yr extended warranty available)

System Requirements

- macOS or Windows laptop or tablet capable of running Ekahau AI Pro
- iPhone & iPad requirements: iOS 12 or higher required, iPad Pro or iPhone 13 Pro recommended for optimal performance
- Android requirements: Android 12 or higher

Solution Requirements

- Ekahau AI Pro 11.1 or higher required
- Ekahau Connect Subscription required for full functionality (includes Ekahau Survey, Ekahau Analyzer, Ekahau Insights, Ekahau Capture, Ekahau Cloud)

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Ekahau Sidekick 2 with Ekahau Survey mobile app

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WIRELESS DESIGN

Ekahau Sidekick 2 Vergleichstabelle

Blitzschnelle Geschwindigkeit und extreme Genauigkeit in allen 3 Bändern



Eigenschaften	Ekahau Sidekick 2	Ekahau Sidekick
2.4 / 5 GHz Bänder Scan-Zeit:	1.21 sek. 	2.25 sek.
2.4 / 5 / 6 GHz Bänder Scan-Zeit:	1.68 seks 	N/A
Anzahl an Antennen:	9 	7
WLAN Funk:	4 (tri-band) 	2 (dual-band)
Breite der Spektrumerfassung:	80 MHz 	20 MHz
Aktualisierungsrate des Spektrums:	50 sweeps/sek 	25 sweeps/sek
Spektrumauflösung:	Bis zu 19 kHz 	Bis zu 78 kHz
Batterie:	Ganzer Tag	Ganzer Tag
Kabelart:	USB-C 	Micro USB-B

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Dashboard für die Insights WLAN-Leistungsanalyse	✓	✗	✗
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