

Ekahau Sidekick™ Pro Pack

The Hardware and Software Toolkit
for Wi-Fi Planning and Optimization



Ekahau Sidekick™ Pro Pack is

a professional hardware and software toolkit for diagnostics, optimization and planning of any 802.11 Wi-Fi networks, which has been developed for network engineers and IT administrators. It is a full-featured tool combining two main components – the Ekahau Site Survey Pro or ESS™ Pro software, which runs on laptops or tablets, and Ekahau Sidekick™, a hardware measuring device, that connects to them via cable.



The ESS™ Pro software is an easy-to-use application and allows you to design Wi-Fi networks automatically indicating the optimal location and configuration of access points. Also ESS™ Pro makes it possible to perform quick and easy site surveys, analysis, optimization and troubleshooting in existing Wi-Fi networks.

As the main measuring instrument for the survey of existing Wi-Fi networks, ESS™ Pro uses Ekahau Sidekick™, a multifunctional tool with two built-in high-quality wireless adapters and high-performance spectrum analyzer. Ekahau Sidekick™ is a battery-powered device that provides over eight hours of Wi-Fi site survey time. It is shipped with a messenger-style carrying strap that enables multiple ways of carrying it for convenience and ease of use.

Features

Network Planning

- 3D network planning (802.11a/b/g/n/ac)
- Automated AP placement
- Coverage and performance simulation
- Supports hundreds of 3D antennas & Aps
- Upgrades planning
- Integrates with Cisco Prime

Site Surveys

- Hybrid surveys: passive and active
- Spectrum surveys
- GPS outdoor surveys

Analysis / Reports

- Clear visualizations:
 - Signal strength, SNR
 - Noise / interference
 - Channel overlap, data rate, overlap
 - Roaming, RTT, packet loss
 - Capacity (BYOD) analysis
- Spectrum channel power / utilization
- Locates access points
- 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

Technical Specs

System Requirements for ESS™ Pro

- OS: Windows 7, 8 or 10 (64 and 32bit), macOS 10.11
- Processor: 1.5+GHz, multi-core recommended
- Memory: 4+ GB RAM, 8GB RAM recommended

Sidekick™ Wi-Fi Radios

- 2x dual-band (2.4 & 5GHz) Wi-Fi adapters
- 802.11 a/b/g/n/ac
- Wi-Fi amplitude range: -20...-95 dBm
- Integrated antennas

Sidekick™ Spectrum Analyzer

- Dual-band (2.4 & 5GHz) high-res spectrum analyzer
- HW max sweep speed: 25 per sec (2.4 & 5 GHz)
- Amplitude range: -20 ... -92 dBm
- Frequency range: 2.4...2.5GHz, 4.9...5.95GHz
- Frequency resolution: 39kHz (2.4 & 5 GHz)
- Integrated antennas

Sidekick™ Miscellaneous Specs

- Dimensions: 187 mm x 172 mm x 45 mm
- Weight: 2.2 lbs (1020 grams)
- Battery: 6400 mAh
- Power Supply: 24V 3.75A
- Operating temperature: +5...+35° C
- Storage temperature: -20...+50° C

Package Contents

- Sidekick unit
- Messenger strap
- Power supply
- USB A -Micro-B cable
- Quick Guide
- ESS™ Pro license
- Hardware warranty: 1 year

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