ekahau
WIRELESS DESIGN

Ekahau Sidekick™

The First Wi-Fi Site Survey and Troubleshooting Device

All-in-One Wi-Fi Diagnostics and Measurement

Ekahau Sidekick™ is the first of its kind custom-built site survey and troubleshooting device for Wi-Fi networks. A site survey is a physical on site task of measuring a Wi-Fi network to validate, optimize, and troubleshoot the network performance.

Typical customers of Ekahau Sidekick™ are system integrators and enterprise network engineers across all business types who maintain a wireless network or design and deploy Wi-Fi networks to client sites.

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.

Optimized for Ekahau Site Survey Pro application

The Ekahau Sidekick™ device is connected to a laptop or tablet running Ekahau Site Survey, Ekahau's Wi-Fi design software. The software and hardware allow wireless engineers to gather comprehensive data of any Wi-Fi network more quickly and accurately than with any other solution. Typical applications include Wi-Fi network heat mapping, analysis, troubleshooting and optimization.

Standardized measurements

Before Ekahau Sidekick™, Wi-Fi measurements have been a mixed bag of measurements using various dongles and other Wi-Fi devices. Ekahau Sidekick™ enables highly accurate Wi-Fi measurements. It takes Wi-Fi site surveys and troubleshooting from inaccurate and error-prone to highly accurate and standardized.

Wi-Fi

- 2x dual-band (2.4 & 5GHz) high performance Wi-Fi adapters
- 802.11 a/b/g/n/ac
- Configurable scanning channels
- Supports all regulatory domains
- Wi-Fi amplitude range: -20...-95 dBm
- Integrated antennas

Spectrum Analyzer

- Dual-band high resolution spectrum analyzer
- 2.4 & 5GHz
- HW max sweep speed: 25 per sec (both 2.4 & 5 GHz @ max accuracy)
- Amplitude range: -20 ... -92 dBm
- Frequency range / 2.4GHz: 2400...2495MHz
- Frequency resolution / 2.4GHz: 39kHz
- Frequency range / 5GHz: 5000...5950MHz
- Frequency resolution / 5GHz: 39kHz
- Integrated antennas

Miscellaneous Specs

- Dimensions: 187 mm x 172 mm x 45 mm (7.38" x 6.76" x 1.75")
- Weight: 1020 g (2.2 lbs)
- Battery: 6400 mAh
- Power Supply: 24V 3.75A
- Operating temperature: +5...+35° C
- Storage temperature: -20...+50° C
- Hardware warranty: 1 year

Two 802.11ac Wi-Fi Radios

The measurement data of the wireless LAN data includes Wi-Fi signal strength, noise, co-channel interference, network configuration information, and comprehensive spectrum analysis. Ekahau Sidekick™ houses two enterprise-grade 802.11ac adapters previously only seen in enterprise Wi-Fi access points. The two dual-band adapters operate simultaneously to minimize surveying and troubleshooting time.

Ultra-high speed, high-resolution spectrum analyzer

Today's Wi-Fi problems are not just caused by Wi-Fi, but increasingly by interfering non-Wi-Fi devices such as microwave ovens, cordless phones, and video transmitters.

Ekahau Sidekick™ features an ultra-high resolution spectrum analyzer that operates on both 2.4 and 5GHz bands simultaneously. The analysis speed is 4-10 times faster and more accurate than other Wi-Fi spectrum analyzers, resulting in quicker problem resolution, site survey walk-throughs, and more precise pinpointing of interference issues.

Package Contents

- Ekahau Sidekick ™unit
- Messenger strap
- Power supply
- USB A -Micro-B cable
- Quick Guide

Battery

- Battery life with typical use: 8 + hours
- Charge to 75% in: 2 hours

System Requirements

- macOS or Windows laptop or tablet capable of running Ekahau Site Survey
- Ekahau Site Survey 9.1 or higher required

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