AP ON A STICK WIRELESS SURVEY

Real-World Validation of Wi-Fi Design

VALIDATING WIRELESS DESIGN BEFORE INSTALLATION

Wireless designs created purely through simulation may not fully reflect real environmental conditions. Building materials, physical obstacles and interference sources can significantly affect how Wi-Fi behaves once deployed.

An AP on a Stick (APoS) Wireless Survey validates wireless performance on site before final installation. By temporarily positioning a test access point at planned locations, engineers measure real signal behaviour and environmental impact.

This allows the wireless design to be refined using real-world measurements before deployment begins.

WHAT AN AP ON A STICK SURVEY MEASURES

- Real-world validation of predicted wireless coverage
- Accurate testing of access point placement before installation
- Identification of environmental interference and obstacles
- Verification of roaming behaviour between access points
- Improved design accuracy and reduced deployment risk

HOW AP ON A STICK IMPROVES WIRELESS DEPLOYMENTS

Challenge	AP on a Stick Survey Benefit
Coverage gaps	Real measurements confirm coverage strength before deployment
Material interference	Tests the impact of walls, glass, metal and building structures
RF interference	Detects noise and overlapping signals in the environment
Roaming issues	Validates handoff behaviour between access points
Excess hardware	Optimises placement to avoid unnecessary equipment

OUR AP ON A STICK SURVEY PROCESS

Understand Requirements
Review building plans and project objectives, including application needs and critical coverage areas.

On-Site Validation with Test Access Point
Engineers position a temporary access point on a portable stand to test coverage at planned locations.

Data Analysis and Design Refinement
Captured measurements are analysed to refine access point placement and wireless design.

Comprehensive Design Report
Provide a detailed design report including validated coverage maps and recommended access point locations.

Client Review Session
Present the findings and confirm the final wireless design before deployment.

OUTCOMES OF AN AP ON A STICK SURVEY

- Highly accurate access point placement based on real measurements
- Validation of environmental factors affecting wireless signals
- Improved wireless performance from first deployment
- Reduced risk of redesign or coverage gaps
- Detailed documentation to support the final design

Email support@duxnet.co.za to book an AP on a Stick Survey

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