DUXBURY
Networking

"Professional Wi-Fi Validation for High-Accuracy Network Design"

AP ON A STICK WIRELESS SURVEY

The Cost of Getting It Wrong

A poorly planned wireless network leads to inconsistent coverage, unreliable connections, and poor user experiences. It results in productivity loss, operational disruption, and unnecessary infrastructure costs. Without real-world validation, designs based solely on assumptions can quickly fail under real-world conditions.

A professionally validated Wi-Fi network ensures seamless connectivity, satisfied users, and future-ready infrastructure.

Why our AP on a Stick Survey is Critical for Your Business

APoS surveys take the guesswork out of Wi-Fi design by testing actual conditions, not just simulated models.

An AP on a Stick (APoS) survey allows businesses to:

- → Validate Wi-Fi performance in the **real environment** with real materials
- → Accurately predict **coverage**, **capacity**, and **roaming behavior**
- → Reduce risks of **coverage holes**, **interference**, and **overlapping APs**
- → Ensure optimal placement of access points before final installation
- → Build a reliable network for today's and tomorrow's wireless needs

How our AP on a Stick Survey can Solve Your Wireless Challenges

Challenge	How an AP on a Stick Survey Helps
Coverage Gaps	Real-world validation identifies areas where coverage is weak or missing
Material Interference	Tests the impact of physical obstructions like walls, metal, and glass
Interference Sources	Detects RF noise or overlap early in the process
Roaming Disruption	Validates handoff behaviour between APs for seamless mobility
Overspending on Hardware	Optimises AP placement to prevent unnecessary equipment or costly redesigns

Our AP on a Stick Survey Process

APoS surveys take the guesswork out of Wi-Fi design by testing actual conditions, not just simulated models.

Understand Requirements
We obtain the building floor plans and consult with the client to understand the project goals, application needs, device types, and critical coverage areas.

On-Site Validation with Test AP
Our engineers visit the site with a test access point mounted on a portable stand ("stick"). They test Wi-Fi coverage by positioning the AP at planned locations, capturing real signal behaviour and environmental impacts at each spot.

Data Analysis and Design Refinement
Based on the collected measurements, we refine AP placements and network design to match real-world performance.

Comprehensive 3D Design Report
We produce a detailed 3D predictive design based on the validated survey data, including optimised AP placements, coverage heatmaps, and performance expectations.

Client Design Review Session
We present the finalised wireless design to the client, explaining the results, design decisions, and how the environment influenced placement strategies.

Outcomes of an AP on a Stick Survey

- Highly accurate AP placement based on real-world measurements
- Validation of environmental challenges like walls, glass, and obstructions
- Optimised wireless performance from the first deployment
- Cost savings by minimising guesswork and rework
- Access to a professional 3D design report with online collaboration tools

Summary

Our AP on a Stick Wireless Survey delivers the highest level of Wi-Fi design accuracy by testing how radio waves behave in your real environment. It eliminates assumptions, reduces risks, and ensures that your wireless network is deployed correctly the first time. With real-world validation, businesses can deploy future-ready Wi-Fi networks with full confidence.

Trust **#TeamDuxbury** to get it right from the start!

CLICK HERE to book your AP on a Stick Survey