



# WLAN INTEROP TEST LAB

## WLAN Interop Test Lab

Wireless LAN (WLAN) interoperability testing (IOP) is an important requirement for successful development of IoT devices. This also mandates an elaborate set-up to ensure minimal human intervention.

GlobalEdge has developed a state-of-the-art Wireless LAN (WLAN) interoperability testing (IOP) lab which allows testing on wireless stations, access points, and peer-to-peer modes in a fully automated environment. Our lab enables testing for the entire spectrum of IEEE standards for Wi-Fi compliance.

Utilization of our WLAN Interop lab facilities guarantees the following:

- More accurate results in an automated environment
- Significant cost savings through reduction of your overhead cost
- Shorter testing cycle time which translates into faster time-to-market for products

## Test Framework Features

- Automated IOP testing
- Choice of test devices from a qualified master list
- Testing of devices on wireless station, AP and P2P modes
- Complete coverage for Wi-Fi standards compliance
- Platform-independent test scripts for Linux, Android, MacOS, and Windows
- Independent packet captures and analysis for each test case
- Throughput measurement using IxChariot or iperf
- Automated configuration of APs from various vendors
- Resource manager for all test resources
- Negative test case verification
- Graphs and throughput analysis

## Test Setup

