



Huawei AP7060DN Wi-Fi 6 (802.11ax) WLAN Access Point

Performance Evaluation and Feature Validation

Executive Summary

The bandwidth demands of Wi-Fi users continually increase with HD streaming and other applications pushing per-user bandwidth requirements into the Gigabit-per-second range. The new Wi-Fi 6 (802.11ax) standard provides the framework for multi-gigabit throughput at a per-user level.

Huawei Technologies Co., Ltd. commissioned Tolly to evaluate the performance, capacity, interoperability and application integration capabilities of its Wi-Fi 6 AP7060DN access point (AP). The Huawei AP7060DN is the first Wi-Fi 6 access point tested by Tolly and is the fastest access point evaluated by Tolly.

Performance tests showed single-client throughput of 3Gbps with the Wi-Fi 6 client. Tests demonstrated interoperability with all previous generation Wi-Fi clients and a user capacity of 1,024 users on a single AP. Testing also demonstrated the IoT application integration of the Huawei AP7060DN.

Huawei AP7060DN Wi-Fi 6 WLAN Access Point Tolly Verified Performance and Features	
✓	3Gbps Single Client Throughput (Hands-on test result with Spirent TestCenter and Spirent MX2 module)
✓	Compatible with 802.11b/a/g, Wi-Fi 4, Wi-Fi 5 and Wi-Fi 6 Clients
✓	512 Wi-Fi Clients per Radio 1,024 Wi-Fi Clients per Access Point
✓	IoT (Internet of Things) Application Integration (Provides interface for IoT modules)

Source: Tolly, January 2019 Table 1

This document is the preview of Tolly report #219108. The full report will be published on <https://www.tolly.com>.