11ax

for the Enterprise-Minded SMB

EnGenius®

Greater Capacities. Stronger Connections. Future Capabilities.

The newest EnGenius 802.11ax products support existing and future device and application needs for the forward-thinking SMB. They allow advancements within a network without demanding a major restructuring of what is already in place.

The new 802.11ax technology (Wi-Fi 6) builds upon real-world deployment of 802.11ac. The stronger, steadier, and more efficient, 802.11ax enables more efficient channel use, reduces latency between AP and client devices, and provides other groundbreaking features.

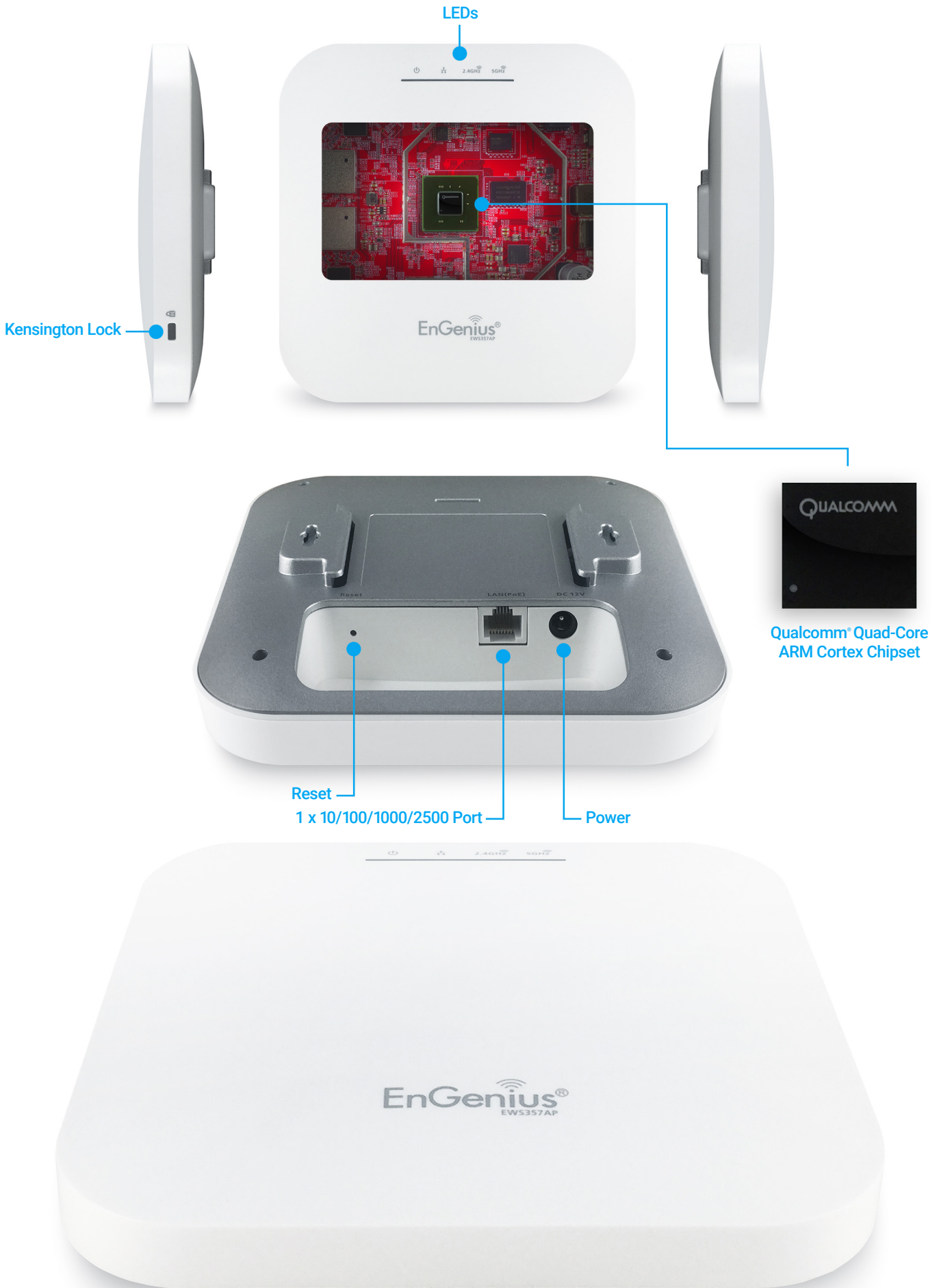

The First 2x2 11ax Access Point in the Industry:

The EWS357AP

Equipped with the most advanced Qualcomm chipset, the **EWS357AP**, priced at $219 MSRP, enables cutting-edge 11ax technology, mobilizing the latest features of Wi-Fi and fortifying small and midsize business networks.
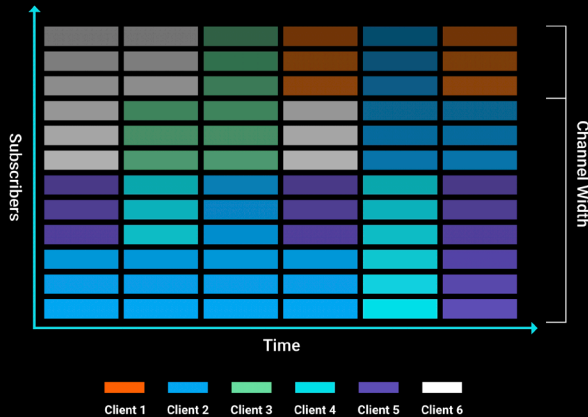
EnGenius' First 4x4 11ax Access Point

The EWS377AP

For SMBs in higher-density environments, the 802.11ax 4x4 antenna solution, **EWS377AP**, priced at $339 MSRP, maximizes in a mix of client applications. It also comes equipped with the latest Qualcomm chipset.

LEDs

Kensington Lock

EnGenius®
EWS357AP

Qualcomm®

Qualcomm® Quad-Core
ARM Cortex Chipset

Reset

LAN(PoE)

DC 12V

Reset

1 x 10/100/1000/2500 Port

Power

EnGenius®
EWS357AP

802.11ax Features

Stronger, steadier, and more efficient...

OFDMA
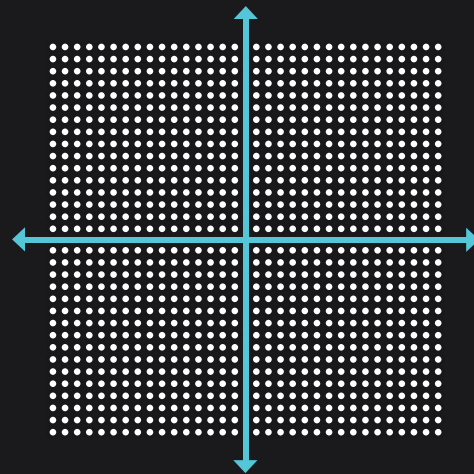### (in both uplink and downlink)

Channel Width enables more efficient channel use, reduces latency between AP and client devices, and provides backward-compatibility with 2.4 GHz and 5 GHz

Subscribers

Channel Width

Time

Client 1 Client 2 Client 3 Client 4 Client 5 Client 6

1024 QAM

boosts throughput by 25% and provides greater reliability in short distances
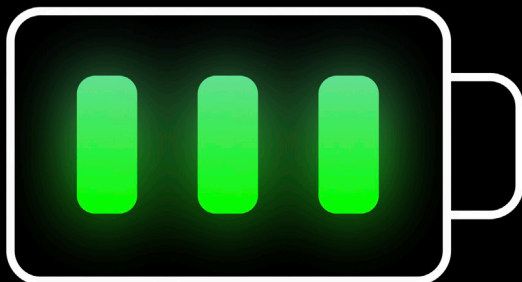
Target Wake Time (TWT)

reduces power consumption, schedules wake times, and extends client battery life of mobile and IoT devices

BSS Coloring & Spatial Reuse

BSS coloring tags packets with a "color" to differentiate between adjacent service sets. Spatial reuse enables simultaneous transmissions on the same channel via BSS coloring.
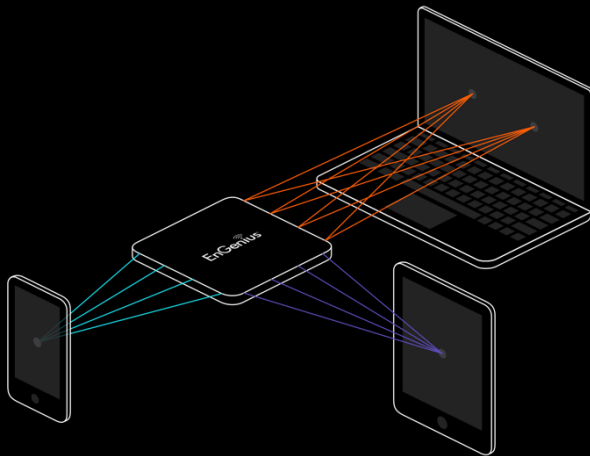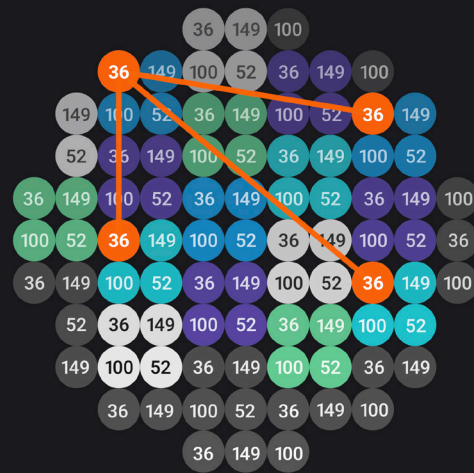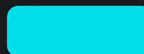
Uplink & Downlink of MU-MIMO

supports up to eight client devices and provides greater network efficiency, focuses radio energy on specific users, and ensures optimal signal and reception reliability

Longer OFDM Symbols

enables shorter wait times between data transmissions and tolerates more noise, which allows greater coverage

802.11ac

802.11ax

4X

Questions About 802.11ax?   **partners@engeniustech.com**