

# WiFi 6E

**ZYXEL**  
NETWORKS

A whole new spectrum for higher capacity, minimal interference, and faster speeds.

Features include

## WiFi 6 Technologies



### 1024-QAM

10-bit data encoding for 25% faster speeds



### Up to 10 Gbps

Upgrades both 2.4GHz and 5GHz radios, maximizing each band's merits



### Bi-directional OFDMA

More efficient use of bandwidth in multi-client environments to reduce latency and increase air-time utilization



### BSS Coloring

Reduces interference between same-channel APs



### Target Wake-Up Time

The AP coordinates transmission times from different sources, allowing devices to sleep during the non-transmission periods

PLUS

## WiFi 6E Features



**2.5X** MORE SPECTRUM

2.5 times more spectrum with the extended 6GHz band



### NO INTERFERENCE

No interference from legacy and the non-WiFi devices

UP TO

### 7 ADDITIONAL CHANNELS

Utilizing up to seven additional superwide 160MHz channels in 6GHz

### IMPROVED PERFORMANCE

Multi-gigabit speeds & ultra-low latencies

## The Zyxel 6E Boost

SUGGESTED PRODUCTS



### WAX620D-6E

Delivers maximum data rate of 5.4 Gbps

The BandFlex radio design can support either 5GHz or 6GHz by configuration

Using the high-gain 4 streams in 6 GHz - helps extend the range and maximize the performance of the new band

Dual-optimized antenna provides the optimum radio pattern

NebulaFlex Pro offers the full flexibility for users to easily switch between Nebula cloud-managed, controller-managed, and stand-alone modes



### WAX640S-6E

With the next-gen WiFi 6E technology for ultra-fast speeds without latency connections on VR/AR, 8K video streaming, or online gaming

Empowers users to take advantage of the new 6GHz band

Transport hubs to alleviate WiFi overcrowding (venues such as offices, shopping malls, and convention centers) reduce congestion, and increase user experience.

Comes with the support of NebulaFlex Pro, which offers the full flexibility for users



### NWA220AX-6E

Ultra-fast WiFi 6E

The BandFlex radio supports either 5GHz or 6GHz by configuration

With high-gain 4 streams in 6GHz to extend the range and maximize performance

Supports standard PoE+ (802.3at), or using Zyxel's accessory ZZ0104F PSU (sold separately)

Flexible management, allowing users to switch between Nebula cloud-managed mode and the device's local web interface