

# Wireless Solution Guide for Residential and Commercial Installations

**NETGEAR** AV

Nowadays, it's not enough to meet expectations with your customers; there is a constant need to exceed beyond the standard. NETGEAR is here to help you exceed above and beyond by delivering reliable and tailored WiFi networking systems for Residential and Commercial installations.

Today's insatiable demand for WiFi requires multi-gig performance and the ability to maintain constant connectivity regardless of where you are in the coverage area. Additionally, the use of wireless local area networks (WLANs) today in Residential and Custom Installations is crucial for the disparate set of clients, growing number of devices, and latency-sensitive applications such as unified communications and video streaming / recording. To rise up to these occasions, WiFi 6 and 6E are musts.

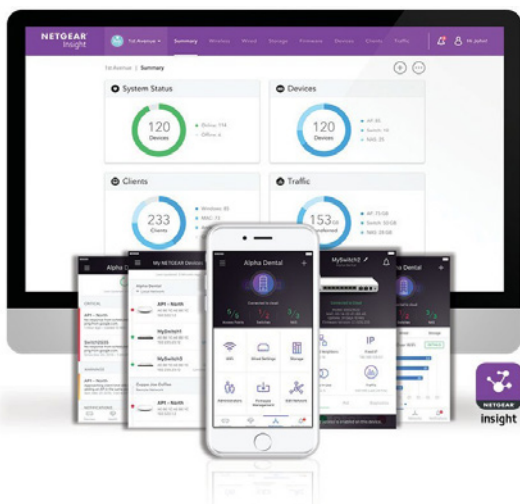
Deploying and managing WiFi 6 and 6E WLANs can be cumbersome without the right access points, multi-gig switches, and management tools. A remote management software tool that offers a single-pane-of-glass approach is a huge boost to customer satisfaction and offers a recurring revenue stream for providing support to residential or business users.

## What Solutions Does NETGEAR Offer?

NETGEAR, as a leading SMB networking provider, is uniquely positioned to offer a modern approach to deploying comprehensive WiFi 6 and 6E solutions. From cutting-edge WiFi access points and multi-gig switches to remote management software, NETGEAR has you covered.

### Insight Cloud Management

NETGEAR's Insight management solution offers the perfect toolset to help businesses become more efficient with many day-to-day networking tasks. The Insight multi-tenant, multi-location and multi-level admin architecture provides the foundation of a scalable and sustainable MSP and VAR business.



#### Benefits\*:

- Rapid Remote Deployment
- Remote Monitoring
- Multi-site Management
- One-touch NETGEAR Support
- Lower TCO and Scalability
- Market-leading Warranty

\* Some features available only with Insight Pro subscription.

## Insight Managed Wireless Access Points

NETGEAR has a portfolio of Pro WiFi access points (APs) sold only through the AV distribution channel, with the very latest wireless standards (WiFi 6 and 6E). Designed for the commercial and residential custom installation markets, NETGEAR Pro WiFi APs deliver superior performance, reliability, and security. A variety of sizes and capabilities provide a choice of coverage area and number of connected devices with the ability to be powered via PoE for single cable deployment.

Businesses and managed service providers both benefit from the ability to remotely manage and monitor these APs through NETGEAR Insight management software.



WAX608Y

WiFi Throughput\*: 1.8Gbps  
Dual Band WiFi 6  
Ethernet Backhaul: 1 x 2.5GbE  
Outdoor Access Point



WAX618

WiFi Throughput\*: 1.8Gbps  
Dual Band WiFi 6  
Ethernet Backhaul: 1 x 2.5GbE



WAX628

WiFi Throughput\*: 5.4Gbps  
Dual-Band WiFi 6  
Ethernet Backhaul: 1 x 2.5GbE  
1 x GbE



WAX638E

WiFi Throughput\*: 7.8Gbps  
Tri-Band WiFi 6E  
Ethernet Backhaul: 1 x 2.5GbE  
1 x GbE

\* Theoretical and aggregate WiFi throughput are based on optimal environmental conditions.

## Multi-Gigabit Ethernet Switches

NETGEAR's Insight-capable multi-gig switches are the perfect complement to our WiFi 6 and 6E wireless access points. Supporting a range of speeds up to 10Gbps on a single switch, depending on the model, the optimal speed for each connected device is automatically detected, with no need for manual intervention or on-going management. In addition to the multi-speed capabilities, these switches offer you the choice of ports with PoE, PoE+, and PoE++, the very latest PoE standard, supporting up to 60W per port.



MS510TXM

8-Port Multi-Gigabit  
(4x 2.5G + 4x10G)  
Ethernet Smart Switch with 2 SFP+ Ports  
Insight Managed



MS510TXUP

8-Port Multi-Gigabit  
(4x 2.5G + 4x10G)  
Ethernet Ultra60 PoE++  
Smart Switch with 2 SFP+ Ports  
Insight Managed

## Wireless Design Services

NETGEAR offers wireless design services to support partners as they design and deploy a wireless infrastructure. This dedicated Pro WiFi Engineering Services team of experts has been conceived to empower those who are designing and installing a wireless infrastructure by providing free wireless design assistance, training, and installation support.

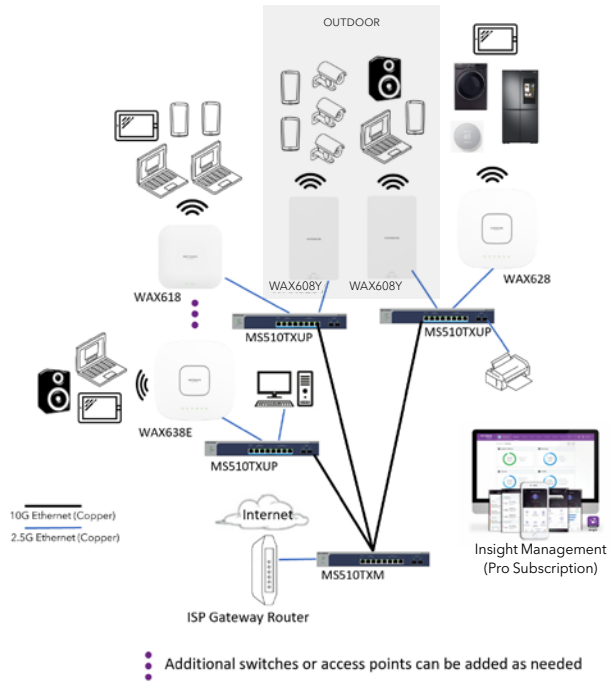
Send us an email: [ProWiFiDesign@netgear.com](mailto:ProWiFiDesign@netgear.com)

For more information on NETGEAR SMB Wired and Wireless Solutions visit: [netgear.com/business](https://netgear.com/business).

Should you need any assistance, contact your local sales associate or at [ProWiFiDesign@netgear.com](mailto:ProWiFiDesign@netgear.com) for a free consultation.

# Example Scenarios

## Tahoe Residence



**Criteria:**

- 100 - 300 end point devices
- 5,000 - 8,000 sq. ft
- 2 Story residence with pool house

**Solution:**

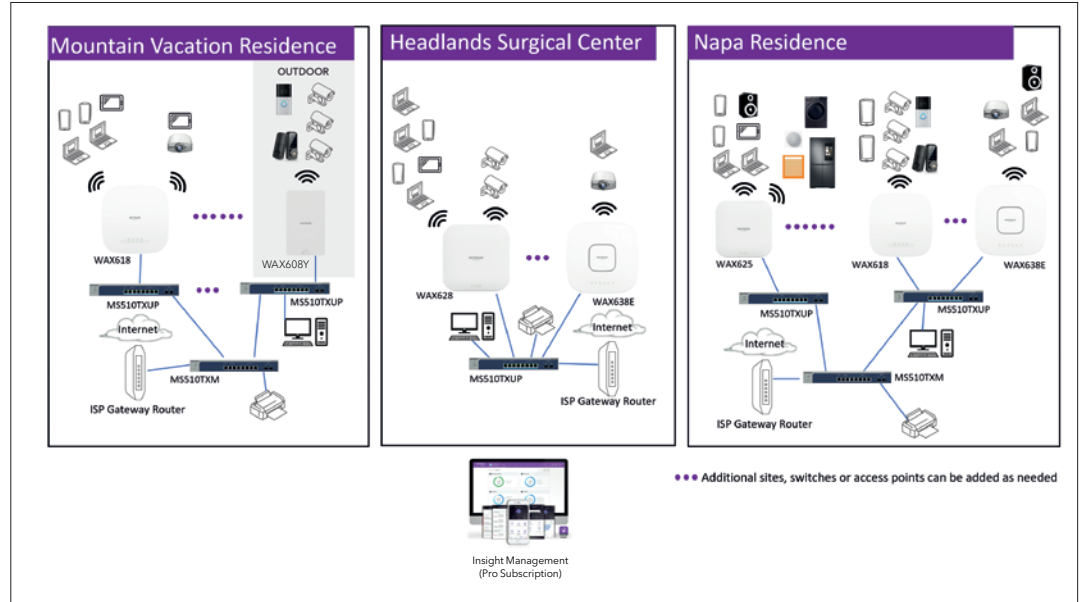
- 5 access points (WAX608Y, WAX618, WAX628 WAX638E)
- 4 PoE++ switches (MSS10TXUP, MS510TXM)
- Insight Pro and remote management

**Benefits:**

- 10Gbps backbone and multi-gigabit throughput to the access points and endpoints
- Local and remote monitoring, maintenance, management

# Example Scenarios

## Teckno Automation Solutions



**Criteria:**

- Multiple organizations, multiple locations
- 24/7/365 remote access maintenance and management
- Scalable solutions
- Indoor and outdoor wireless access points

**Solution:**

- Pro WiFi Access Points (WAX608Y, WAX618, WAX628, WAX638E)
- Insight Managed PoE++ Switches (MS510TXM, MS510TXUP)

**Benefits**

- Enables a scalable service-based business model
- Remote maintenance without a truck roll
- Latest switching and WiFi technology