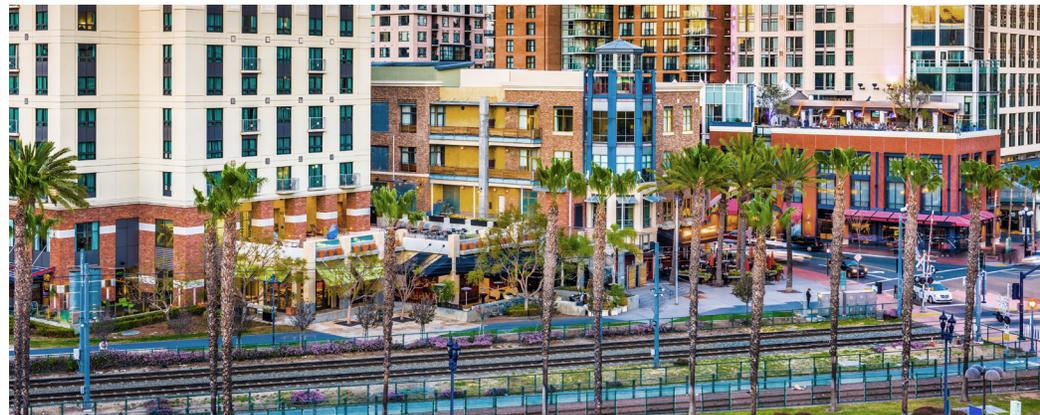![altowav logo]

Wireless Solutions for Security, Campuses, Ports, Transportation and Smart Cities

Altowav™ wireless solutions are the tools you need to make your project a reality up to ten times faster than wired or fiber hard line connections. Hard line installation can disrupt an entire project either by the significantly higher labor and equipment cost or the amount of time required for installation. In new construction, it can delay the forward progress of the entire project and adding it to existing sites can cause significant disruptions to operations. Adding hard line connections to sensitive sites such as historical landmarks, zoos, and parks can be even more problematic. Whether you're expanding a video security system to a parking lot, expanding transportation monitoring cameras across a bridge, deploying public Wi-Fi access, or making network connections between buildings Altowav has solutions to meet your requirements.
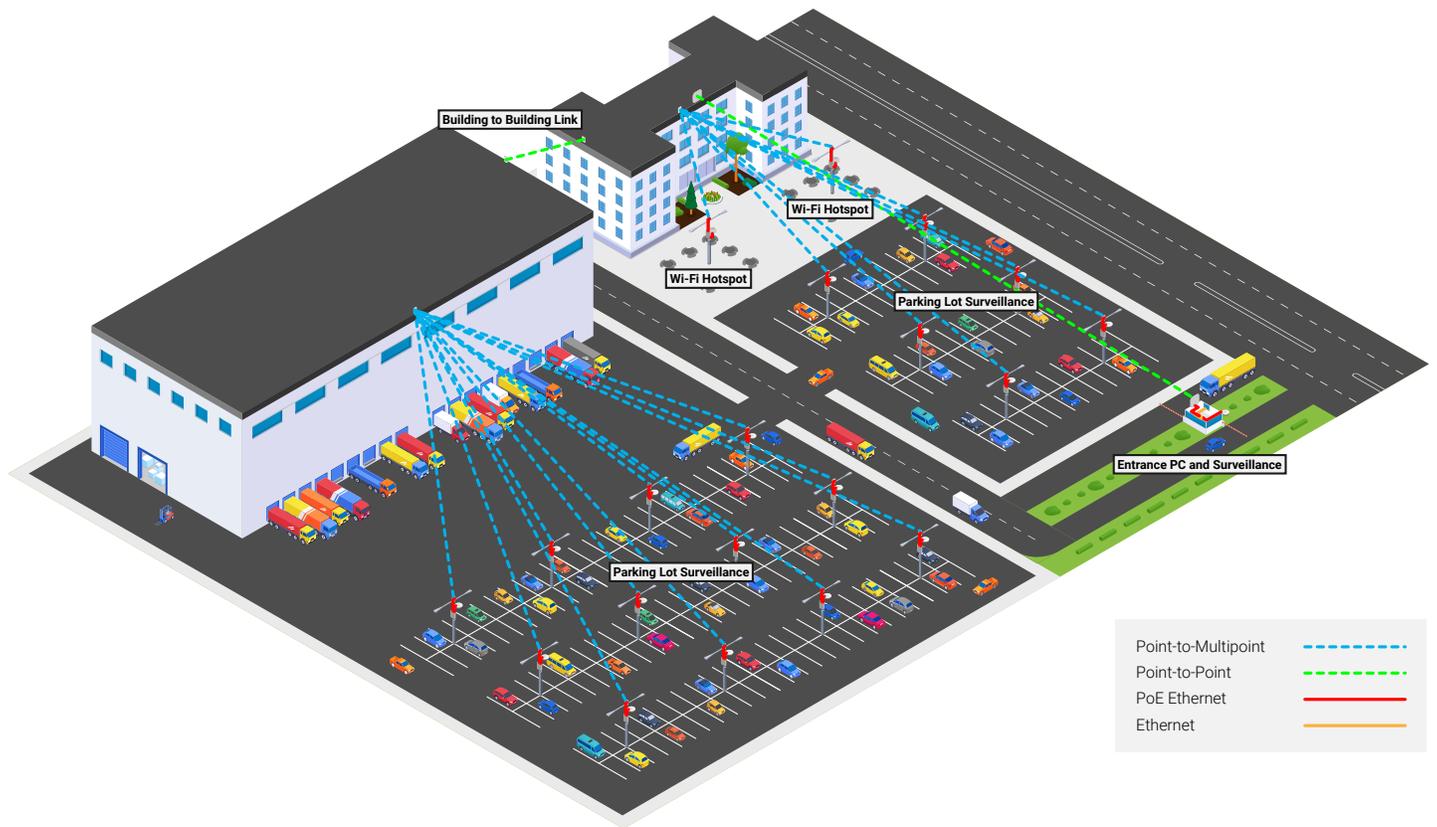
Less Time, Less Disruption

Altowav's wireless solutions help realize data connectivity without the hassle of wire or fiber. Why obstruct normal business operations with the trenching, noise, and disruption associated with installing hardline connections. These activities even have the potential for other issues if underground services are accidentally damaged during installation. Our high-speed, low-latency solutions offer similar performance without the disruption that wire and fiber installation can cause.

Our wireless solutions also save a great deal of time. Hardline installations require additional steps such as locating underground utilities, trenching, cable pulling, and in some cases pavement demolition and reconstruction. Altowav's wireless solutions require minimal infrastructure additions. In many cases the needed connections may already exist in the area such as rooftop network runs and power in parking lot light poles.

The Added Security of 60GHz

In today's world of cyber security threats, security is critical for network infrastructure, especially for law enforcement, state and local government, and businesses. All of Altowav's wireless solutions have standard security features such as AES encryption, VLAN and VLAN stacking, and authentication, but the nature of 60GHz itself gives these products inherently more security.

60GHz wireless has several qualities that make it a great fit for more secure communication. Unlike standard Wi-Fi, PC-based 60GHz devices are not very common, which limits the ability to hack into a wireless signal. 60GHz communication is very directional and uses beamforming to adjust the signal in the direction of the connected devices, and the signals themselves don't propagate very far beyond the intended destination. This means that when installed in an elevated position such as a light pole or the top of a building, a potential hacker would need to use additional, very visible means to even intercept the signal. Finally, 60GHz has very low signal penetration of buildings reducing covert hacking.

Legend:
- Point-to-Multipoint — - - - - (blue dashed)
- Point-to-Point — - - - - (green dashed)
- PoE Ethernet — (red solid)
- Ethernet — (orange solid)

Diagram labels: Building to Building Link, Wi-Fi Hotspot, Wi-Fi Hotspot, Parking Lot Surveillance, Parking Lot Surveillance, Entrance PC and Surveillance

Make Your Installation a Success

A successful installation isn't just hardware alone. Let our experienced staff of professionals help you design your wireless network right the first time. Their years of experience will help you avoid potential issues and costly mistakes.

The support doesn't stop once it's installed. Our team of technical support engineers assist you in getting the system up and running as soon as possible. In these days of companies offshoring their support, Altowav technical support is in house and US-based.

Keep Your Solution Running at Top Performance

Knowing if your solution has any issues is critical, especially for mission critical applications. Interruptions can be caused by a multitude of reasons such as local power outages, or traffic accidents. Altowav's Edge NMS (Network Management System) makes it possible to administrate, track the health of, and manage software upgrades for an Altowav 60GHz wireless solution. All from a single tool.

Included in the Edge NMS is a powerful dashboard of graphs and charts to see at a glace the total health of the entire solution and any issues that may exist. From the dashboard users can drill down into the displayed system data or view other characteristics such system analytics, a map of device locations, and a list of devices and their specifications.

60GHZ NETWORK RADIOS

K60
**60GHz GIGABIT
WIRELESS RADIO**

Configurable for Point-to-Point
and Point-to-Multipoint

K60 Bridge Kit
**60GHz GIGABIT
WIRELESS LINK**

Includes 2 K60 Radios, Cables,
and PoE Injectors

D621
**60GHz MULTI-GIGABIT
WIRELESS DISTRIBUTION RADIO**

Configurable for Point-to-Point
and Point-to-Multipoint

C420
**60GHz GIGABIT
WIRELESS CLIENT RADIO**

Point-to-Multipoint Client Radio

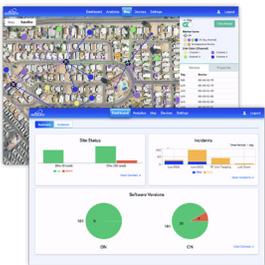# LONG-RANGE NETWORK RADIOS

5P624
**LONG-RANGE
WIRELESS RADIO**

4.9-6GHz with
Integrated 24dBi Antenna

WIRELESS NETWORK MANGEMENT SYSTEM (NMS)

Edge NMS
**SYSTEM ANALYTICS
AND MANAGEMENT**

Efficient Network Management of
Dense 60GHz Wireless Networks

Altowav Products Feature:

- Lower Cost and Time vs Fiber
- High Bandwidth
- Low Latency
- Virtually Zero Interference
- Small Form Factor
- PoE Out (802.11at) Models for
  Powering Cameras or Other Devices