

# Private Wireless Networks

altafiber  
business

NOKIA

## What?

A Private Wireless Network for enterprises is a private and secure mobile network using 5G and 4.9G/LTE. Rather than relying on public or shared networks, get dedicated connectivity with enhanced Quality-of-Service for large indoor and outdoor, high-bandwidth applications.



**100% of businesses achieved ROI within 2 years of implementing Private Wireless.**  
80% in just 6 months. Enterprises see operational cost reduction from optimizing resources and workflow efficiency.

Source: 2024 Industrial Digitalization Report

## Industry applications



### Logistics and Manufacturing

- **Efficient cycle time** and visibility in warehouses
- **Improve safety** and congestion with advanced traffic management
- Mobile robots and wireless IoT devices for supply chain resilience
- **Automation** and optimized analytics



### Healthcare

- **Real-time analytics** for patient decision making
- Remote and robot-assisted surgery
- **Secure cloud capabilities** for hospitals to collaborate



### Education

- **Scalable** for massive data sets and research
- **Coverage** over large campuses, indoor and outdoor
- **Affordable broadband** for the digital divide



### Military and Government

- **Secure and intelligent** mission-critical networks
- **Detect issues in real time** to address emergencies and improve public safety

# Benefits

✓ **Cost Effective**

Significant less access points are needed than with traditional Wi-Fi solutions. pLTE/5G is more practical with less congestion.

✓ **Enhanced Security**

Private Wireless Networks are isolated from public networks, reducing the risk of unauthorized access and data breaches.

✓ **Improved Performance**

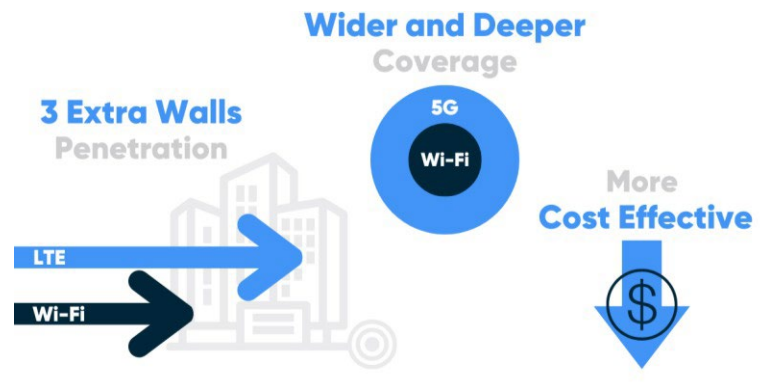
Enterprises can prioritize traffic, ensure low latency, and guarantee reliability. pLTE/5G has three extra walls of penetration and deeper coverage than traditional Wi-Fi solutions, even in large interference-prone environments.

✓ **Controlled Infrastructure**

With the help of altafiber, your enterprise controls the dedicated network infrastructure, customizing and scaling it to your organization's needs. Support specific applications and services like IoT devices, communication protocols and more.

## Why?

Private wireless, or pLTE, is **more efficient and secure** than traditional Wi-Fi for larger, complex businesses and areas.



**altafiber has decades of local wireless experience and partners with technology leader Nokia to provide a cutting-edge, customized solution.**



We both partner with Wright State University Foundation to host private demonstrations at our Studio 5G Lab in Fairborn, Ohio. This allows enterprises to confirm that Private Wireless is the right fit, before spending time and money implementing it.



Visit [info.altafiber.com/studio-5g](http://info.altafiber.com/studio-5g)  
or scan the QR code above to get started.