



Private
Networks

for Manufacturers and Distributors

Tailored Wireless Solutions For Seamless Connectivity and Operations

Manufacturing and distribution facilities are constantly seeking opportunities to do more with less. These facilities need a connectivity solution that covers a large area, providing consistent connectivity experiences where devices are constantly mobile and reflectivity is high.

Wireless technologies such as WiFi, Bluetooth, RFID, and private cellular networks all play a significant role in enabling connectivity in these facilities. For certain mission-critical use cases requiring high reliability, low-latency, and high mobility, private cellular technology can be a valuable component of the connectivity infrastructure for logistics and distribution facilities.

Delivered as a turnkey, customized solution that augments the connectivity you have in place today, Spectrum Private Networks delivers secure and reliable private cellular network solutions to enable efficient operations throughout your facility.

Results that Matter

Increased Mobility

Connect mobile devices and vehicles even when transitioning between coverage areas, enabling uninterrupted productivity on the move.

Expanded Coverage Area

Enjoy broad coverage, both indoors and outdoors, spanning large geographical areas to ensure connectivity wherever you operate.

Application-Level Control

Prioritize critical data traffic, manage Quality of Service (QoS), and optimize performance for mission-critical applications, enhancing productivity and efficiency.

Overcome Highly Reflective Environments

Address connectivity challenges in facilities with metal structures, high-density storage areas, or complex layouts, ensuring reliable connectivity throughout.

Enable Mission-Critical Use Cases

Provide connectivity for mission-critical use cases that demand high reliability, low latency, and secure communication such as real-time tracking of high-value assets, remote monitoring of critical equipment, and secure data transmission.

Enhance In-Building Public Cellular Coverage

Provide seamless, cost-effective public cellular coverage indoors for employees and visitors to make and receive phone calls and access the internet using their mobile devices, to overcome challenges with inconsistent cell phone reception inside your facility.



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Practical Benefits For Your Business



Improved Coverage in Warehouse:

Connect all areas of your manufacturing, logistics or distribution center, facilitating efficient operations and minimizing downtime.



911 Calling and Public Cellular Coverage:

Enable emergency calling and enhance in-building public cellular coverage for employees and visitors within your facility where public cellular coverage may traditionally be inconsistent or unreliable.



Connected Workers: Empower your workforce with reliable connectivity, enabling real-time communication and access to vital information, driving productivity and collaboration.



Connected Equipment: Monitor and manage equipment remotely, ensuring optimal performance, reducing maintenance costs, and minimizing disruptions.



AGVs/Robotics & Autonomy:

Enable secure and efficient communication for autonomous vehicles and robotics, enhancing operational precision and efficiency.



Indoor/Outdoor Coverage:

Extend reliable wireless coverage throughout your entire facility, connecting hard-to-reach places and ensuring seamless connectivity for "mission-critical" use cases.



Inventory/Yard Management:

Enhance inventory tracking and yard management with real-time connectivity, optimizing supply chain operations and improving efficiency.



Worker Safety: Enable real-time monitoring and location tracking for employee safety, ensuring a secure and protected work environment.



Push to Talk: Facilitate instant and reliable communication with push-to-talk functionality, improving teamwork and coordination on the shop floor.

Ready to experience seamless connectivity throughout your facilities?

Contact us to learn how Spectrum Private Networks advanced wireless solutions can help you unlock key business outcomes and optimize your operations.