



Taking Warehouse Operations Beyond WiFi with Telrad's CBRS Private LTE

In the world of Industry 4.0, warehouses are becoming increasingly dynamic, data-driven environments that heavily rely on automation and connectivity. As part of this revolution, Telrad's CBRS (Citizens Broadband Radio Service) Private LTE is emerging as a game-changer, offering a compelling use case for warehouses seeking reliable, secure, and flexible connectivity that goes beyond the capabilities of traditional WiFi.

Introduction to Telrad's CBRS Private LTE

Telrad's CBRS Private LTE is a wireless communication standard that operates in the 3.5GHz CBRS band. Unlike traditional LTE, CBRS allows businesses to deploy their private networks. This results in improved coverage, capacity, and security, meeting the needs of warehouses that heavily depend on connected devices and real-time data.

Telrad's CBRS Private LTE: Advantages for Warehouses

- **Extensive Network Coverage:** CBRS Private LTE offers significantly larger coverage than WiFi. This broad coverage provided by Telrad's solution is ideal for warehouses with large operational areas and a high density of devices.
- **Reliable and Secure Connectivity:** Operating in the CBRS band, Telrad's Private LTE ensures reliable and secure wireless connectivity, with a lower likelihood of interference compared to WiFi. It offers robust security mechanisms, making it an excellent choice for warehouses where the security of data and connected devices is paramount.

Telrad's CBRS Private LTE: Advantages for Warehouses


- **Enhanced Network Capacity:** CBRS Private LTE by Telrad is capable of supporting a higher density of devices, making it ideal for warehouses with a vast array of IoT devices.


- **Low Latency:** CBRS enables low-latency communication, crucial for real-time operations in warehouses such as autonomous forklifts, drones, and robotic arms.



- **Network Customization:** A private LTE network can be tailored to a warehouse's specific needs. For instance, network policies can be configured to prioritize critical applications, ensuring optimal performance when it matters most.

Use Cases of Telrad's CBRS Private LTE in Warehouses

 **Inventory Management:** Telrad's CBRS Private LTE can provide the connectivity backbone for IoT sensors and RFID readers, enabling real-time inventory tracking and management. This capability goes beyond what WiFi can provide, reducing inaccuracies and operational inefficiencies, leading to cost savings.



 **Autonomous Vehicles:** With low latency and high reliability, Telrad's CBRS Private LTE can support the operation of autonomous vehicles such as forklifts and drones within the warehouse, improving safety and productivity.

 **Robotics and Automation:** CBRS Private LTE allows seamless connectivity for automated systems and robotics. This enhanced communication capability enables real-time data exchange, precise control, and uninterrupted operation.



IoT Enabled Warehouses

Use Cases of Telrad's CBRS Private LTE in Warehouses

-  **Asset Tracking:** By integrating IoT devices with Telrad's CBRS Private LTE, warehouses can monitor and track assets in real-time, improving operational efficiency and reducing losses.
-  **Video Surveillance:** Telrad's CBRS can support high-quality video streaming for security surveillance, ensuring comprehensive coverage and immediate response to security incidents.

As warehouses continue to evolve in the age of Industry 4.0, the demand for reliable, secure, and high-capacity connectivity solutions will continue to grow. Telrad's #CBRS #PrivateLTE, going #BeyondWiFi, is poised to meet these demands, offering a compelling use case for the future of warehouse operations. By implementing Telrad's CBRS Private LTE, warehouses can unlock significant operational efficiencies, reduce costs, and lay a solid foundation for a data-driven future. With Telrad's CBRS Private LTE, warehouses are well-equipped to navigate the challenges of the modern industrial landscape and drive their operations toward increased productivity and efficiency.