



Advanced Private 5G for Business-Critical Connectivity

ALE cutting-edge Private Wireless solution is designed to provide secure, high-performance connectivity. Engineered for vast and complex environments, this solution addresses the dynamic needs of modern enterprises, ensuring reliability, scalability, and seamless integration with the network infrastructure.

ALE Private 5G solution delivers secure, low-latency LTE/5G connectivity for critical systems, solving coverage, mobility, and QoS challenges in vast spaces enabling agility and reliability.

Empowering Critical Operations for Seamless Connectivity with Private 5G



Connectivity for mission-critical devices

Private 5G ensures seamless connectivity for mission-critical devices such as robotics, automated guided vehicle or worker communication tools offering unparalleled reliability and low latency.

Support of AI Applications

A Private 5G network can handle the huge data demands of AI applications providing the performance and reliability needed for real-time processing and decision-making in advanced AI-powered operations.

Wide Outdoor Coverage

The solution is ideal for large outdoor areas, offering extended coverage & connectivity for industrial sites, campuses and other expansive spaces.

Complex Indoor Environments

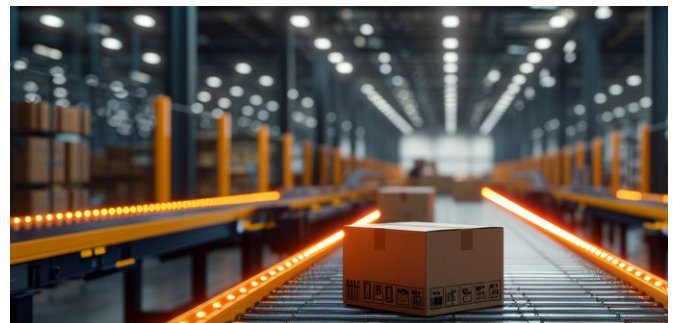
For uncarpeted, high-interference deployments such as warehouses or large production areas, Private 5G can meet the demand for coverage and performance.

Controller-less deployments

AP-only deployment eliminates the need for servers, racks, or custom cabling. With cloud-based control and local data breakout, there's no requirement for on-site IT staff—enabling faster, flexible, and cost-effective deployments.

Limitation of Public Cellular Networks

Unlike public cellular networks, Private 5G offers quality, coverage and security ensuring a reliable connectivity within your premises, especially in areas where public network might fail.





Interference-Free Spectrum

Guarantees **consistent, disruption-free performance** in environments with heavy wireless congestion.

Low Latency

Enables **real-time responsiveness**, critical for industrial and business applications.

Deterministic Connectivity

Provides **predictable and reliable network behavior**, ensuring seamless operation of critical systems.



Enhanced Security

Offers advanced **SIM-based authentication** and complements the **Zero Trust Network Access capabilities of ALE's LAN and WLAN portfolio**, delivering a unified security framework.

Tailored for Enterprise needs

Designed exclusively for enterprises, ALE's Private 5G solution provides industry-specific features with the **flexibility to scale** according to the business size and needs.



ALE & Celona Partnership

Pioneering the Future of Private Wireless Networking

The partnership between ALE and Celona brings together 2 innovative leaders to transform how enterprises leverage private wireless solutions for the digital age.

By combining ALE's expertise in Networking with Celona's groundbreaking 5G technology, this collaboration sets the stage for enterprises to embrace Industry 4.0 with confidence.



Some use cases



Point of Sales (PoS) apps in **public venues** such as **stores or stadiums**



Autonomous **guided vehicles** (AGVs)



Workers **communication** & safety devices



IoT **sensors** & **Digital Twins**



Robotics in hazardous environments



Wireless security **cameras** for surveillance & **safety**



Factory automation

ALE Private 5G offer is a turnkey solution delivering simplicity and flexibility

5G AP and SIMs: a comprehensive portfolio of 4G(LTE) and 5G radios designed to provide high-performance wireless connectivity

Edge appliances: serves as the private LTE/5G core, providing the essential network functions to support enterprise devices, applications, including network slicing capabilities to prioritize critical applications.

Orchestrator: a cloud-native management platform that simplifies the deployment, monitoring and operation of the private 5G network.

