5G LANS MEET THE ENTERPRISE

New private cellular spectrum options (e.g. CBRS, Band 48 in the United States) have paved the way for a powerful new option for enterprise wireless: your own private LTE and 5G LAN network.

Private cellular with Celona 5G LAN products and technology opens the door to a new set of vital applications that depend on unprecedented wireless reliability, uninterrupted mobility, deterministic connectivity and end-to-end quality of service.

Celona’s 5G LAN solutions easily integrate with existing enterprise network and drastically simplify private cellular wireless operations.

Introduction

With its 5G LAN solution, Celona is focused on accelerating the adoption of business-critical apps on enterprise wireless and helping organizations implement new generation of digital business initiatives.

A Celona 5G LAN uniquely integrates within any existing enterprise network, bringing together all the components required for an IT team to build an end-to-end private cellular network that’s easy to deploy and manage at scale.

Celona 5G LAN solution includes:

- Remotely provisioned physical and embedded SIM (eSIM) cards / identities on the connected devices tied to corporate policies,
- Indoor and outdoor cellular access points with redundant PTP timing masters for seamless mobility,
- Edge compute services on-site including the 4G/5G Mobile Core functions as defined in the 3GPP standard and enterprise L2/3 network integration,
- Cloud-hosted orchestration for network operations, KPI-based application quality monitoring,
- API libraries for software developers and managed service providers, and
- Licenses to access regional private spectrum options (e.g., SAS for CBRS spectrum in the United States).

A Celona 5G LAN is offered as a simple to consume 3/5-year platform subscription, in increments of total number of indoor or outdoor access points within the network. An active Celona subscription includes access to software technical support and limited hardware warranty.

It is designed to tackle long standing technology challenges for enterprise wireless connectivity:

- Interference free operation to avoid unpredictable performance,
- Low latency promise for apps that require real-time network response,
- Wire-like guaranteed throughput for critical business applications,
- Wireless spectrum segmentation for devices that require highest level of privacy and security, and
- Indoor and outdoor RF coverage in very large and highly challenging environments.
Visiting celona.io/start to dive deeper and to see a Celona network in action.