

INDUSTRY BRIEF

Private Mobile Networks to Accelerate Supply Chain Operations

The opening of the new private cellular spectrum options (eg. CBRS in the United States) has paved the way for a powerful new option for enterprise wireless: your own private LTE and 5G network.

Here at Celona we believe that crafting the backbone of your supply chain with a private mobile network should not be a 10-piece puzzle.

As you invest in digital initiatives to move at the speed of your consumer and optimize workflows for your staff and business partners, Celona's integrated solution is designed to enable predictable wireless connectivity at every corner of your operations: shipping ports, distribution centers and warehouses.



**CLOUD
MANAGED**



**WIRELESS WITH
SLA FOR VOICE**



**UNINTERRUPTED
MOBILITY**

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Introduction

With interference free wireless connectivity comes the opportunity to maximize uptime for your critical infrastructure: automated guided vehicles and mobile robots (AGV/AMR), hand carried or vehicle mounted rugged tablets, and voice enabled picking solutions and push-to-talk handsets.

Your private cellular network contributes to the rightsizing of your wired cabling infrastructure, significantly contributing to your bottomline, with the ability to cover up to 25K SQFT indoors and 1M SQFT outdoors with a single radio.

Predictable performance is matched with highest levels of security thanks to SIM-based device level authorization and always-on encryption for devices that are capable of operating on private spectrum options for cellular wireless.

Celona Advantage

Celona accelerates your adoption of private LTE/5G wireless by offering industry's first integrated solution that's designed to fully integrate with an existing IT and OT environment.

Celona's solution includes centrally managed SIM cards, necessary licensing for private spectrum access (eg. Spectrum Access System [SAS] in the United States), enterprise optimized indoor and outdoor access points.

Celona's cloud native software platform features a network planning tool, LTE/5G mobile core software, AI-powered network assistant and a cloud hosted operations console.

The level of agility offered by Celona's integrated product portfolio also comes with high degree of reliability on a per application and device group basis. Celona's unique MicroSlicing technology is designed to guarantee specific service level agreements (SLA) for throughput, latency and packet error rate metrics for critical apps on connected devices.

Device Ecosystem

There is no stopping the significant growth in the device ecosystem for private cellular wireless: mobile computers from Zebra, IoT gateways from Cradlepoint for your video camera infrastructure, two-way radios from Motorola, in-vehicle routers from Sierra Wireless, and smart devices from Apple and Samsung lead the way in making it accessible to your existing business workflows. When connected to a Celona private mobile network, they now experience wire-like performance on wireless - opening doors to significant innovation at every moment of 24/7 operation in your supply chain.

Visit celona.io/journey to see a live demo of the solution and to request a proof of concept.

celona
celona.io

hello@celona.io

900 E Hamilton Ave Suite 200,
Campbell, CA 95008, United States