

SOLUTION BRIEF

Private Cellular Wireless for Your Enterprise

Fast and Uninterrupted 4G and 5G Coverage Wherever You Need It

- Eliminate erratic wireless performance, coverage holes, disconnects, and interference.
- Give Zebra devices and apps a guaranteed, stronger, and longer-range wireless connection.
- Support industrial automation and digital transformation with uninterrupted wireless.
- Get end-to-end cellular coverage with the simplicity and familiarity of WLAN.
- Enjoy turnkey integration with no licensing, no carrier, and no complex network buildout.
- Strengthen your security with hardened encryption and SIM/eSIM device authentication.
- Maintain complete enterprise control with visibility into every device and connection.

celona

Introduction

Celona offers a unique 5G LAN private wireless system developed for the enterprise. Its turnkey 5G LAN system was designed within a familiar wireless LAN framework – allowing customers to now own and easily operate their own private mobile network. This gives them complete control and visibility with more wireless coverage using fewer access points. Unlike conventional wireless alternatives, Celona's 5G LAN technology delivers deterministic connectivity and performance at low latencies and less packet loss. Operating within the interference-free 3.55-3.7 GHz (band 48) cellular spectrum, 5G LAN technology provides uninterrupted mobility to vital applications as well as seamless integration with existing enterprise L2/L3 networks enabling deployment in a matter of hours not days, weeks or months.

How It Works



Celona private cellular wireless uses the Citizens Broadband Radio Service (CBRS) spectrum, made available by the FCC, to enable private cellular for the enterprise.



Celona's systems are deployed just like a conventional wireless LAN, leveraging the existing enterprise IP domain structure, QoS policies and IP network services already in place.



Celona provides a simple, turnkey solution that seamlessly integrates 4G/5G private cellular wireless into existing enterprise IT infrastructure with no licensing required.



Celona's 5G LAN is a subscription-based solution that combines all the requisite components including indoor/outdoor access points, core software, SIMs/eSIMs, and cloudbased management.



Why Private Cellular Is Better

- You can cover larger areas and overcome interference, obstacles and conditions that impede wireless signals.
- You can eliminate network disruptions and application disconnects caused by roaming issues.
- Devices natively connect via CBRS, accessing 4G/5G services directly, while allowing IT to maintain complete accessibility to user equipment connected behind mobile routers.
- You get stronger security than Wi-Fi because private cellular uses hardened encryption along with preconfigured SIM or eSIM credentials to securely authenticate users.
- Private cellular offers more deterministic connectivity and performance at longer ranges because everything is controlled by the network. End devices no longer contend for network access or look for the best place to connect.



Compatibility with Zebra Mobile Devices

Growing number of Zebra mobile devices, that support CBRS connectivity, are compatible with Celona's private cellular networks.

Current compatible solutions include the following:

- TC26 Touch Mobile Computers
- TC58 Touch Mobile Computers
- ET45 Tablets
- ET85 Tablets
- L10 Series Tablets



Learn More and Explore the Private Cellular Difference.

Contact Celona now to put an end to your wireless coverage headaches.

celona
celona.io

hello@celona.io

900 E Hamilton Ave
Campbell CA, 95008 United States

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