celona

Fast and Uninterrupted Private Wireless

Celona Private Wireless Networks
for Zebra Mobile Devices

ZEBRA

The Problem:
Wireless Coverage Holes, Disconnects, and Interference

Today's mobile enterprise requires fast, reliable, and uninterrupted wireless connections. But coverage gaps, interference, erratic performance swings and signal drops can wreak havoc on business-critical workflows.

Traditional technologies like Wi-Fi or public carrier 4G/5G services were never engineered to address vital enterprise use cases. As a result, wireless coverage remains spotty, user mobility suffers from roaming hand-off issues, spectrum licensing is cost prohibitive, and reliable wireless connectivity is hit or miss.

The Solution:
Guaranteed QoS, Stronger, and Longer-Range Connections

Celona and Zebra Technologies have joined forces to solve the problem of reliable enterprise wireless. Celona's 5G LAN private wireless system delivers a fully integrated solution that allows you to easily integrate private cellular wireless coverage across your existing network infrastructure. You own and control everything.

Celona's 5G LAN private wireless network is a turnkey and purpose-built solution that allows you to easily integrate cellular wireless coverage across your existing L2/L3 enterprise infrastructure without carrier contracts, spectrum licensing , data charges or complex network build-out.

How It Works

1

Celona's private cellular wireless solution uses new shared spectrum being introduced around the world, such as CBRS in the United States, to allow global enterprises to own and operate their own private mobile networks.

2

Celona's 5G LAN is an all-inclusive cellular system deployed just like a conventional wireless LAN, leveraging your existing enterprise IP domain structure, QOS policies, and IP network services that are already in place.

3

Celona's 5G LAN is a subscription-based solution that allows you to use your existing enterprise bandwidth without monthly fees or additional data charges. It provides all the requisite components, fully integrated, for a complete end to end private wireless network. This includes indoor/outdoor access points, 4G/5G edge software, device SIMs/eSIMs, and cloud-based orchestration to manage, monitor and tune it all.

Immediate Benefits for Your Enterprise

- More reliable wireless connectivity and deterministic performance.
- 4X to 10x better coverage than Wi-Fi with fewer access points.
- Improved productivity by eliminating network disruptions when clients roam.
- Give Zebra devices and apps a guaranteed, stronger, and longer-range wireless connection.
- Guaranteed quality of service automatically enforced per application or device group.
- Stronger wireless security with hardened encryption and SIM/eSIM device authentication.
- Complete control with no carrier contracts, data costs or complex network build-out.

What 5GLANS Deliver That Other Technologies Don't

- Enjoy Larger coverage areas with less interference and stronger signals.

- Eliminate network disruptions and application disconnects caused by roaming issues.

- Deliver faster, more reliable coverage with everything under your complete control.

- Gain more consistent performance and deterministic wireless connectivity with fewer access points.

- Access 5G/4G services directly with Zebra cellular-native private wireless devices

- Maintain complete visibility and accessibility to user equipment connected behind mobile routers.

- Strengthen security with private cellular that uses hardened encryption.

- Authenticate users more securely with preconfigured SIM or eSIM credentials.

- Eliminate issues from devices competing for network access or the best places to connect.

Zebra Mobile Device Compatibility

Celona private wireless networks are compatible with the growing number of Zebra mobile devices that support native cellular (e.g., band 48) connectivity, including the following:

• TC78 Touch Mobile Computers
• TC26 Touch Mobile Computers
• TC58 Touch Mobile Computers
• ET45 Tablets
• ET85 Tablets
• L10 Series Tablets

An Alliance for the Next-Generation Enterprise

Celona is an industry-leading company founded by leaders with experience at some of the world's leading networking and technology companies, including Qualcomm, Aruba, and Cisco. Born from the idea of combining 5G radio technology, edge computing, and machine learning software, Celona has now teamed up with Zebra to turn that forward-thinking vision into reality, offering a new paradigm of private LTE / 5G networks that enterprises can run on their own.

Explore the Possibilities of Private Cellular Wireless

▶ **Book a Demo**

▶ **Download Our Solution Brief**

▶ **Read Our White Paper**

Contact Celona now to learn more about our Zebra alliance and enterprise wireless solution.

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