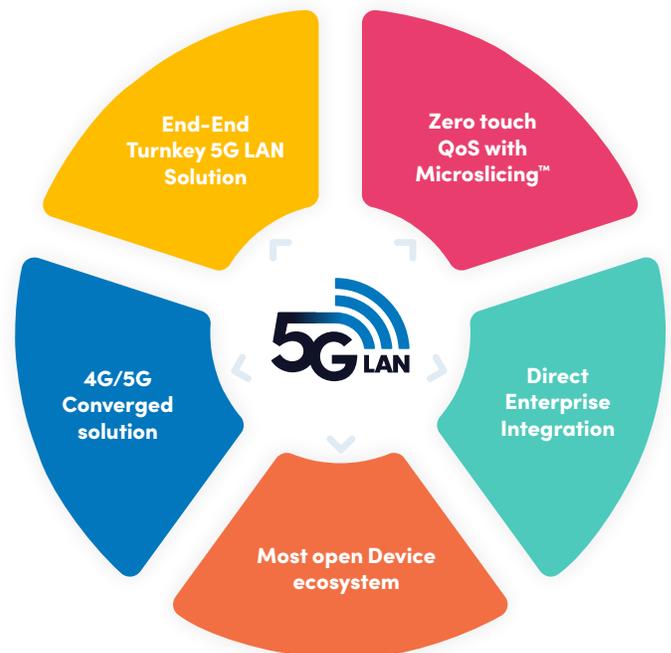


Celona 5G LAN Private Wireless for Apple Devices

Why Enterprises are choosing Private Wireless

- Pervasive 5G wireless coverage with 1/5th to 1/10th the number of Wi-Fi access points
- Full end-to-end security for both data in-flight and at rest (secured using SIM and eSIM)
- Complete control of network and data with no dependence on public cellular network
- Deterministic QoS with guaranteed bit rate, and latency configurable for each device and application
- Seamless mobility with precisely timed roaming managed by network infrastructure
- Dedicated, clean spectrum with no unlicensed wireless interference

Key benefits of Celona 5G LAN



Celona 5G Deployments



Oil & Gas Refinery

Reduce equipment inspection/repair time with connected tablets



National Railway

Improving worker connectivity and productivity in a large yard



Steel plant

Eliminate production disruptions in a challenging wireless environment

celona.io/case-studies

What is Celona 5G LAN

Celona 5G LAN is a turnkey private wireless solution uniquely engineered for the enterprise. It includes:

4G/LTE APs



5G NR APs



Celona Access Points

Indoor and outdoor ruggedized radios supporting global spectrum bands and self-organizing RF intelligence.

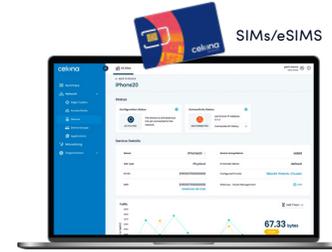
celona.io/access-points



Celona Edge OS

Fully scalable and resilient network OS that delivers converged 4G/5G core services, intelligent spectrum management and a full-function IP stack for seamless connectivity into enterprise LANs.

celona.io/edge-os



Celona Orchestrator

A network orchestration and management platform with complete visibility and control over your network, devices, and traffic flows - including zero-touch installation of Celona SIMs, APs, and Edge OS.

celona.io/orchestrator

Celona 5G LAN integration with Apple devices (running iOS 17 and iPadOS 17)

Private wireless solution for global enterprise

Apple devices now support 4G/5G SA private wireless spectrum in the US and most countries with proper MCC and private network identifier assignments by Celona 5G LAN. (Please see the specific iOS device list)

MDM support

The device configuration can be managed easily through mobile device management (MDM) over private wireless. For Example, iOS devices can continue to have Wi-Fi for services such as AirDrop and AirPlay even when they are connected to a private cellular network.

Prioritizing cellular over Wi-Fi

With iOS 17, private cellular can now be set as the preferred network and devices will quickly jump to private cellular from Wi-Fi as soon as the reliable signal is detected. Configuration of iOS devices enabled by Celona 5G LAN.

Geofencing support

Celona partnered with Apple in developing and testing the geofencing capability. With geofencing iPhones can seamlessly roam between a private network and a public carrier while optimizing battery life.

eSIM support

Celona 5G LAN network allows authentication of Apple device users more securely with preconfigured eSIM credentials.

Celona's 5G LAN device certification program eliminates guess work on compatibility



Apple devices have successfully passed Celona's 5G LAN certification program. This certification eliminates interoperability risk as customers deploy their private wireless network with Apple devices. The following devices are 5G LAN certified:

iOS Devices with private 5G NR and LTE support:

- iPhone SE/13/14
- iPad Pro (6th generation/4th generation)
- iPad Air (5th generation)
- iPad mini (6th generation)
- iPad (10th generation)

iOS Devices with only private LTE support:

- iPhone 12 (LTE only)
- iPad Pro (5th generation/3rd generation)

References

- [Apple private 5G and LTE site](#)
- [Celona 5G LAN certification](#)

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Ready to talk?
Contact us

