SOLUTION BRIEF

# Celona and Azure: Stronger Together for the Edgeless Enterprise

Enterprise solution architects who subscribe to application delivery services in the cloud and increasingly within the four walls of the enterprise are now in search of IT infrastructure solutions that speak their language.

Whether it is the data privacy requirements or the need for real-time response at low latency, making enterprise apps seamlessly available at the edge - just like they are accessible in the cloud - is a priority for many enterprise IT organizations.

Here at Celona, we believe that deploying your private LTE and 5G network should be as easy as rolling out new applications with Microsoft Azure.

**CLOUD NATIVE OPERATION**

**ENTERPRISE DATA PRIVACY**

**END TO END APP QUALITY**

celona

## Introduction

An important step in getting there is to stop thinking about such infrastructure to be made up of many "boxes" but rather to start thinking about it as a collection of "apps" themselves. Apps that are powered by cloud-native software, with the flexibility of deployment on-premises, in private data centers and public clouds.

Thanks to the cloud-native Celona platform, you can do just that as a customer of Azure Private MEC (Mobile Edge Compute). As you roll out new generation of digital initiatives, your private mobile network resources can be deployed as apps themselves.

## Celona Advantage

Celona accelerates the adoption for business critical apps by taking advantage of the Citizens Broadband Radio Service (CBRS) spectrum in the United States. Celona's product architecture offers industry's first integrated solution for private LTE/5G networks that can be fully integrated with an existing enterprise IT environment. Celona's solution includes centrally managed SIM cards, enterprise optimized indoor and outdoor access points, centralized management and operations console - and of course, Azure Stack Edge server compatible, private mobile network core software.

## Celona and Azure Edge

Level of agility offered by Celona's integrated product portfolio also comes with high degree of reliability on a per application basis. Celona's unique MicroSlicing technology ensures service level objectives for latency, throughput and packet error rate when on a wireless network. This might include voice communications in healthcare, process automation in logistics, among others where digitization efforts cannot wait for the delays in network rollouts.

Via Azure Private MEC, deployment of Celona's network OS at the enterprise edge is orchestrated within the existing Azure app infrastructure. As a cloud native software stack, Celona OS scales horizontally as capacity requirements expand. It automatically translates between wireless network and Azure Stack Edge server compute resources in order to ensure application QoS.

By removing friction in seamless integration within an existing IT infrastructure, Celona allows for rapid deployment of Azure Private MEC resources in any corner of the enterprise footprint, from branch to campus locations.

Visit **celona.io/azure-edge** to see a live demo of the solution and to request a proof of concept.

celona.io
**hello@celona.io**

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