CBRS Solutions
Maximizing performance in your network
Citizen's Broadband Radio Service (CBRS)

The United States Federal Communications Commission (FCC) has approved the 3.5GHz CBRS band to drive innovative new wireless services in the US. The CBRS-based LTE technology has been branded as "OnGo" to reflect its "always-on" solution for businesses looking for cost effective LTE coverage. This 150 MHz within the 3.5 GHz shared spectrum is designed to balance the needs of existing incumbent applications with those of new services.

Improve and expedite connectivity in a variety of venues

CBRS technology will open up a variety of new markets:
- Enables GBPS+ Performance for Mobile Network Operators
- Delivers Private LTE Networks for industry & society – IoT applications, sensor networks
- Enables alternative operators/new industry entrants to offer LTE services

Highest performance CBRS solutions for:

- Service Providers
- Neutral Host Providers
- Mission Critical Enterprise LTE

Case Study: Private LTE in Action

Private LTE-based Warehouse

- Asset tracking and mobility within the campus
- Deliver new capabilities and functionalities
- Private connectivity to support common work functions
- Network slicing to enable per application QoS and provide security applications
- Enable sensors and machine to machine communications
- Higher Network Performance
- Guaranteed Secure Network Operations
- Accelerated Deployments and Opportunities
- Future-proof Architecture
Flexible Deployment

**Radio Dot System Architecture**

**Radio Dot**
- Indoor optimized ultra compact radio
- Discreet and easy to install
- Single or dual licensed band
- Dual-radio CBRS
- Radio and power over LAN cable

**Indoor Radio Unit**
- Power and control for Radio Dots
- Remote or co-located with Baseband

**Baseband and RAN Software**
- Pooled LTE capacity
- Software upgrade to 5G NR
- Scalable options to align with venue size and user capacity

**CBRS Micro Radio**
- 2 x 10W Class B CBSD
- Coverage for outdoor areas
- Up to 3 x 20 MHz Carrier Aggregation
- Environmentally hardened
- External antenna support
- 2x2 MIMO

**CBRS Radio Dot**
- 4 x 50mW Class A CBSD
- High Capacity Indoor Coverage
- Up to 4 x 20 MHz carrier aggregation
- 600 Mbps DL/200 Mbps UL
- Dual independent 40 MHz CBRS radios
- Non-contiguous PAL and GAA deployments with one Dot
- Single-operator, multi-operator or neutral host with one Dot
- 2x2 or 4x4 MIMO

**Ericsson CBRS Solutions for Indoor and Outdoor Deployments**

Simple installation, power and signal over standard IT cabling
“The promise of the CBRS band and enabling the use of wider swaths of spectrum will make a big impact on carrying wireless data in the future.”

— Bill Stone, VP of Technology Development and Planning, Verizon