BEC
T E C H N O L O G I E S

PRIVATE LTE FOR K-12 AND HIGHER EDUCATION

Performance and Reliability beyond Wi-Fi and Public Networks

School systems need a robust, scalable network infrastructure that can support on-premise, remote connections, and even provide internet access to underserved students' homes securely and reliably.

Investing in technology modernization and deploying a Private LTE network is the key. BEC's Private LTE connectivity solutions provide educational organizations with a cost-effective path to a dedicated and secure high-speed wireless network with full operational control.

Why should you invest in a Private LTE ?

- Dedicated, private high-speed wireless network with full operational and business control

- Substantially lower cost of ownership, independence from the carrier with no recurring monthly fees

- Provide seamless coverage and increased capacity in-building and across campus

- End to End security with tight control of device authentication and access

- Enable new applications, services, and devices tailored to your specific needs

- Can coexist, complement, and enhance existing Wi-Fi infrastructure

- Highly reliable and proven technology (standards-based - wide interoperability)

- Future proof solution offering a migration path to 5G NR

BEC
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BEC Private LTE solutions operate on the 3.5 GHz CBRS spectrum and deliver lightning-fast private broadband, secure connectivity, and support for advanced services. Purpose-built for high-performance and reliability, our solutions are FCC Part 96 Authorized and OnGo™ certified to ensure interoperability for multi-vendor, large-scale deployments.

BEC 440M
Private LTE CBRS USB Modem

Compact and portable design delivers instant LTE connectivity for PCs and laptops over a standard USB connection. Unique driverless installation for true plug-and-play operation across the most common operating systems

MX-241
4G LTE CBRS Wi-Fi Router

Compact CBRS router with multiple gigabit Ethernet ports, robust Wi-Fi, and PoE (Power over Ethernet) designed to enable quick service deployments for residential and SOHO customers

6500AEL
CBRS Multi-Service LTE Router

High-Performance Dual-WAN (LTE and EWAN) router with 4-port Gigabit LAN, High-Power 802.11ac, hotspot/captive portal, secured VPN termination, dynamic routing, and robust firewall security

RidgeWave® BEC 4900 R21
LTE-A Pro CBRS Outdoor Router

CBRS EUD with 4x4 MIMO, high-gain 12 dBi antenna to work in near non-line-of sight conditions with increased coverage and bandwidth. LTE CAT 12 with carrier aggregation up to 3 CA DL/2CA UL for high data transmission rates. IP68/UL 50E enclosure ensures protection in rugged and harsh environments

RidgeWave® BEC 6900R21
LTE-A Pro CBRS Outdoor Router

Category B CPE-CBSD with 4x4 MIMO high-gain 15.5 dBi antenna and maximum EIRP of 38 dBm for increased capacity, higher throughput and extended coverage. LTE CAT 12 with carrier aggregation up to 3CA DL/2CA UL, and rugged IP68/UL 50E enclosure. Full support of over-the-air CBSD Handshake Equipment Authorization Procedures for SAS

BECentral®
Cloud Management Platform

Provides a comprehensive suite of services for full lifecycle management of large-scale UE deployments; BECentral® features data usage control, network visibility, alerts and notifications, robust analytics and reporting, API extensibility, and CBRS SAS Domain Proxy

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