LTE Network Extender 3
For Enterprise

Data Sheet

Revolutionizing Enterprise Connectivity: Bringing Next Generation Wireless to the Masses

In today's digital landscape, advanced wireless networks shouldn't be reserved only for large spaces like airports and stadiums. With nearly 90% of commercial buildings in the US being under 31,000 square feet, Enterprise Femtos offer a powerful solution to bridge the connectivity gap for businesses of all sizes. This technology provides high security, data ownership, and guaranteed performance.

Delivering high performance with minimal power consumption and smooth integration with existing Radio Access Networks (RAN), Axyom.Core's **LTE Network Extender 3** for Enterprise is ideally suited for network densification while also supporting VoLTE, IoT and QoS based services. The LTE Network Extender 3 for Enterprise specializes in solving the challenges faced by dense business environments that have struggled to provide high quality and reliable bandwidth access in the past.

The **LTE Network Extender 3** for Enterprise provides small to medium enterprises with in-building LTE coverage and service at locations where macro coverage is poor or where macro coverage cannot penetrate the building materials. Each unit provides up to 31,000 square feet of coverage, depending on the exact location and placement of the unit. Multiple units can be deployed at locations that need larger coverage. These units integrate seamlessly with both the macro network and the existing femtocell overlay network.

The **LTE Network Extender 3** for Enterprise ensures that employees and end-users alike can utilize the network to conduct their important business activities. Sharing large files, conducting video conferences, sending email, and collaborating with others around the world has never been easier thanks to the LTE Network Extender 3 for Enterprise.

Innovation at Its Core

FEATURES

- High performance 3GPP LTE Protocol Stack
- Up to 64 active users
- 2 LTE carriers
- Self-configuration
- Advanced LTE scheduler including QoS awareness scheduling
- Power over Ethernet (PoE) option

BIG PERFORMANCE IN SMALL SPACES
Covering up to 31K square feet, 64 concurrent users and 285 Mbps, the 4G LTE Network Extender 3 for Enterprise is an ideal fit for small to medium sized businesses.

PLUG AND PLAY CAPABILITY
Simply plug into any available data connection on site, perfect for creating a localized private network. Easy installation, including simple mounting procedure, easy to use GUI, and PoE support.

ADVANCED SECURITY
Physical and Software Based security. Create closed subscriber groups, use over non-public internet connections and ensure continuity with anti-tampering hardware. Ideal for hospital, government or financial institution use.

ROBUST SOLUTION
Extended temperature range to ensure peak performance in even the harshest environments.

TECHNICAL SPECIFICATIONS

ANTENNA AND BACKHAUL
› Transmit Power: 24dBm for licensed bands, 27 dBm for LAA Band
› Antenna: 2x2 MIMO, 4 internal antennas
› Backhaul: Gigabit Ethernet Support

PHYSICAL AND ENVIRONMENTAL
› Dimensions: 240mm x 240mm x 65mm (10x10x2.5 inches)
› Weight: 4.8 lbx
› Durability: IP 50 rated

BANDS AND PERFORMANCE
› Frequency Bands: LTE, Cat-1, 2, 3, 4 (B4/B13/B66, LAA (B46)
› Download / Upload Speed: Up to 285Mbps download Up to 50 Mbps upload
› Simultaneous Users: up to 64 LTE

SECURITY
› Protocol: IPSEC: AES, 3DES
› Key Management: PKI: IKEv2 key management, certificate Based authentication with secure boot