

MXConnect Series

4G/LTE Industrial Modem

Network Expansion and Immediate LTE Connectivity

BEC MX-100U Series



KEY FEATURES

- + Offers 4G/LTE Cellular Connectivity with Single Radio / Dual SIMs
- + Enable Dual Modem/failover capability on select BEC Routers
- + Offer GPS option for 24/7 real-time tracking and location updating
- + Small form factor M2M with affordable price
- + Simplify deployment and easy installation by a single person
- + IP50 Hardened enclosure with Industrial-grade Components
- + Local and Remote management BECentral (Cloud-based Remote Management Platform)
- + USB 3.0 connection for the physical interface and power

The BEC MX-100U Series 4G/LTE Industrial modem is a rugged, ultra-compact 4G/LTE Modem for Enterprise and IoT/M2M Applications that require secure, always-on LTE connectivity. The hardware platform is designed to accelerate application development and service deployments, lower total cost of ownership (TCO) providing faster ROI.

The MX-100U is a CAT 6 device supporting LTE Advanced and Carrier Aggregation with Dual SIM slots, Active GPS, external antennas and a USB 3.0 interface. The lightweight yet hardened design is built with Industrial-Grade components and has an IP-50 rating for protection against harmful dust particles.

The BEC MX-100U is the perfect balance of performance, ruggedness, reliability, price and secure wireless connectivity for business critical operations.

The MX-100U is the ideal solution for:

- + Industrial Applications
- + Kiosk and Vending
- + Digital Signage
- + Embedded Systems
- + OEM Design applications
- + Smart Energy
- + Remote connectivity
- + Public Safety applications

SPECIFICATIONS

Technology

- LTE FDD (Cat. 6) Data Rate: DL up to 300Mbps & UL up to 50 Mbps
- Carrier Aggregation
- Channel Bandwidth 1.4, 3, 5, 10, 15, 20 MHz
- RF Characteristics
Transmit Power: +23dBm
Sensitivity: -96dBm
- GPS(GNSS) Support with NMEA Protocol
- Regulatory: FCC, PTCRB

Hardware

- USB 3.0 Type A Receptacle
- SMA Antenna Connectors
 - 2 * LTE
 - 1 * GPS
- 2 * 2FF MINI SIM Slots
- Power: USB Powered by a host
- Dimensions: 3.94"(W) x 3.15"(H) x 0.83"(D) (100mm x 80 mm x 21 mm)
- Operating temperature: - 4 to 140° F (-20 to 60° C)

