



Industrial 4G/LTE USB Modem

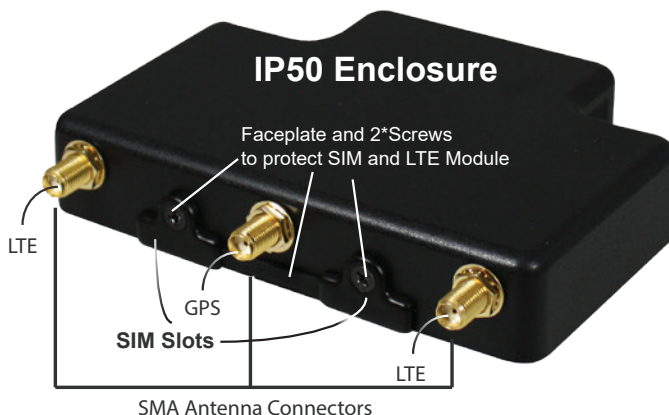
The BEC MX-100UE 4G/LTE Industrial Modem is a rugged, ultra-compact 4G/LTE Modem for Enterprise and IoT/M2M Applications that require secure, always-on LTE connectivity. The hardware platform is designed to accelerate application development and service deployments, lower total cost of ownership (TCO)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

The MX-100UE is a CAT 12 device supporting LTE Advanced and Carrier Aggregation (CA) up to 3 carriers 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-100UE is the perfect balance of performance, ruggedness, reliability, price and secure wireless connectivity for business-critical operations.

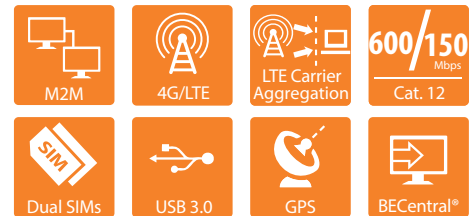
KEY FEATURES

- + 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-graded Components
- + BECentral® (BEC's Cloud Based Remote Management)
- + USB 3.0 connection for the physical interface and power



Ideal Use Case

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



SPECIFICATIONS

Technology

- Supporting North America and Global
 - FDD(Cat.12): B1-B5, B7, B8, B9, B12, B13, B14, B18, B19, B20,B26, B29, B30, B32, B41, B66
 - Max. Downlink/Uplink: 600/150Mbps
 - TDD (Cat.12): B42, B43, B48
 - Max. Downlink/Uplink: 430/20Mbps
 - DC-HSPA+: B, B2, B3, B4, B5, B6, B8, B9, B19
- Support Carrier Aggregation Bands for DL and UL
- Channel Bandwidth
 - 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
- RF Characteristics
 - Transmit Power: +23dBm ± 1dB
 - Sensitivity (Primary): -96.5 ~ -99dBm
 - Sensitivity (Secondary): -97~ -101dBm
- 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 Slot
- 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)