



# CELLBOX DATA SHEET



CellBox is a simple, high-value, low-cost, fully certified cellular modem terminal. Featuring LTE M1, NB1/NB2 cellular connectivity with fallback to EGPRS and a high-quality GPS receiver, CellBox lets you add cellular and GPS capability to any system with zero certification requirements.

With a wide input voltage range, CellBox can be used in portable and mobile applications without additional power supplies. Featuring standard external antenna connections, you can choose the antenna to ensure best performance in your specific installation.

## CellBox Benefits

- No certification required
- Simple, compact, and low power consumption
- Plugs into any device with USB or UART
- USB serial drivers for Windows, Linux and Android
- Mounting tabs for easy installation



## General Features

### RF

- Supported LTE Cat-M1 bands:  
B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/B20/B25/B27/B28/B66/B85
- Supported LTE Cat-NB2 bands: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85
- Power Class 5
  - Max Power Output: 20dBm±2dB
- Maximum Data Speeds
  - 375kbps (DL) and 1.12Mbps (UL)
- EGPRS bands 850/900/1800/1900MHz with speeds
  - 296kbps (DL), 236.8kbps(UL)
- GNSS
  - L1 band
  - GPS/GLONASS/BeiDou/Galileo/QZSS
  - Compatible with active or passive antennas



## Connectors and Interfaces

- SMA female, standard polarity
  - LTE main antenna
  - GPS antenna
- One Micro USB connector for USB 2.0 communication
  - BG95-M3: Supported data speeds of 1.5Mbps (Low-Speed) and 12Mbps (Full-Speed)
- One 8-pin Micro-fit edge connector
  - RS-232 communication
  - DC Power Supply
- One Push-Push SIM card holder
  - 2FF size ([https://en.wikipedia.org/wiki/SIM\\_card#Formats](https://en.wikipedia.org/wiki/SIM_card#Formats))
  - 1.8V only

## Power Supply

+5VDC to +24VDC, **+12VDC recommended**

## Peak Current

450 mA at recommended voltage

## Physical Dimensions

Length (including protruding SMA connectors): 7.2cm or 2.75in  
Width: 5cm (excluding anchors), 6.93cm (including anchors)  
Thickness: 0.75in or 1.89cm  
Weight: 46.3g

## Environmental

Operating temperatures: -35°C to +75°C

## Approvals

- Regulatory : FCC, ISED, CE
- Industry: PTCRB, GCF
- Network Carriers:
  - Tested with AT&T
  - Tested with T-Mobile
  - Will work with other standard carriers
  - Verizon not currently supported

# Contact Us



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