

# CDMA

## BSM-856 Terminal



Extended Temperature Range



Extended RF Sensitivity



Embedded TCP/IP Stack

BSM-856 developed by the state-of-the-art technologies of Telit is an IS-95A/B CDMA2000 1x wireless MODEM with gpsOne® features.

BSM-856 has been designed suitable for M2M business products.

### Product features

- Frequency Band
  - Receive Range: 869-894MHz
  - Transmitting Range: 824-849MHz
- gpsOne® Service
- Voice/DATA Service
- Analog Audio Interface
- Standard RS-232 Interface(D-SUB9)
- DM Port
- Standard & Extended AT Command Set
- Embedded TCP/IP Protocol Stack
- Buzzer Output
- Power On/Off Control
- Number of channels: 20Ch.
- SMS (Short Message Service)
- Various Status Indications:
  - Status of MODEM
  - In-range & out-of-range status
- Channel Spacing: 1.23MHz
- Occupied Bandwidth: ≤1.32MHz
- Air-Interface: IS-95A/B, CDMA 2000 1xRTT
- Data Transmission Speed: Up to 153.6Kbps (Forward & Reverse Simultaneously)
- Dimensions: 116 x 59 x 20(L x W x H)mm
- Weight: 148g
- Antenna connector: SMA type
- Modem I/F Connector: D-SUB9
- Mounting: 3.2mm 4 HolesCDMA



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Terminal



actual size

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### Electrical

- Maximum RF Output Power:  $\geq 23$ dBm
- Zero IF
- Receiver Sensitivity:  $\leq -104$ dBm(FER =0.5%)
- Nominal Operation Voltage: DC 5.0  $\pm$  0.3V
- Power Consumption
  - Receive: about 120mA
  - Transmit: about 350mA @ -75dBm RSSI

### Environmental

- Storage Temperature: -30°C to +70°C
- Operating Temperature: -20°C to +60°C

### Order-No.

BSM-856



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