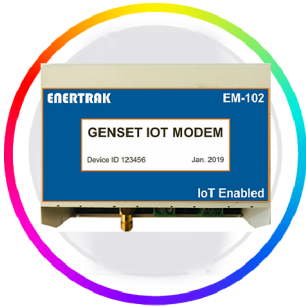


# SMART IoT SOLUTIONS

AMF GUI | DIGILIVE | METERDEKHO | EDGTRAK APP | EMS SOLUTION |  
EM-100 | EM-102 | EM-103 | EM-104

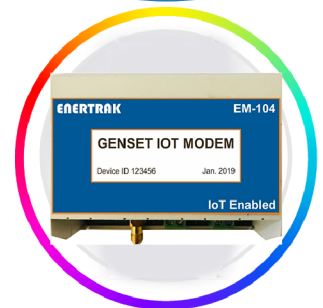
## EM-102



### IoT MODEM UNIT (2G)

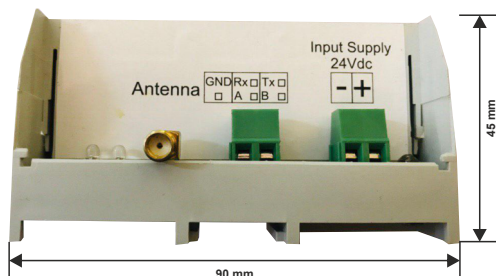
- Compatible with Vodafone / AIRTEL and other 2G networks
- Low Power consumption
- Optical search network mechanism
- Control via AT commands : GSM 07.07, 07.05
- RS 485 and IoT Compatible
- Integrated with PPP, TCP, UDP, FTP & HTTP
- GPRS : Max 85.6 Kbps (Uplink & Downlink)

## EM-104

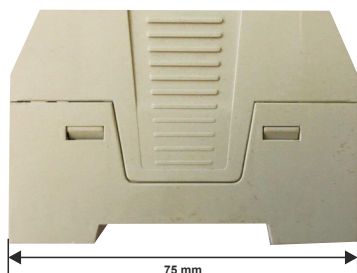


### IOT MODEM UNIT (4G)

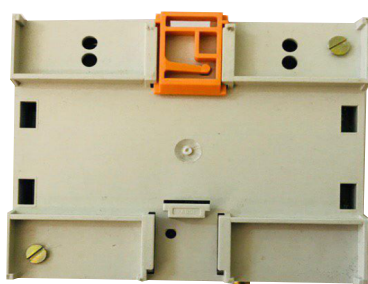
- Compatible with JIO / Vodafone / Airtel and other 4G/LTE networks
- Compact LGA form factor is ideal for small products with tight space and extended operating temperature range
- World wide LTE, UMTS/HSPA+, TD-SCDMA, EV-DO, CDMA and GSM / GPRS / EDGE coverage
- RS 485 and IoT Compatible
- LTE : Max 150 Mbps (DL) / 50 Mbps (UP)



Front View



Side View



Bottom View

## Technical Specification:

### Specification

### Description

#### INPUT SUPPLY VOLTAGE

12 V - 24 V DC  
with Reverse Protection  
AC Power Supply Optional

#### CHARACTERISTIC

Sleep Current : < 4 mA  
Power : 1.3mA @ DRX=5,  
1.2mA @ DRX=9  
Antenna : cellular and GNSS

#### INTERFACES

Power, On/Off, RESET  
RS-485, UART, ADC, NET\_LIGHT

#### GNSS

**Receiver type:**  
GPS L1, BDS L1, GLONASS L1  
**Sensitivity:**  
Tracking:  
-158.7 dBm(GPS),  
-158.2 dBm(GLONASS)  
Acquisition:  
-149 dBm(GPS),  
-148.5 dBm(GLONASS)  
Navigation update rate: 1 Hz  
TEXT/PDU  
Point to Point/Cell Broadcast

#### SMS

#### ENVIRONMENTAL

Operating Temp.: -10°C to +65°C  
Storage Temp.: -25°C to +70°C