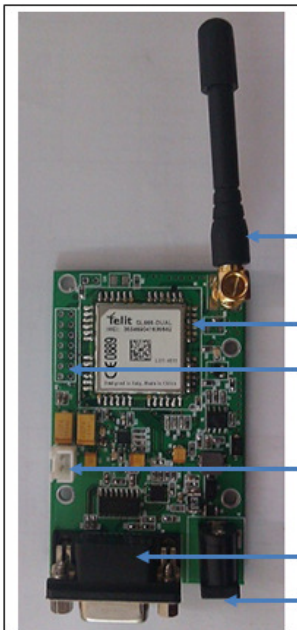


Telit GL86x GPRS MODEM

Features



GPRS ANTENNA

Telit GL86x Module

Expansion Connector Slot

Battery connector (for CST-GL86x-MODEM-BC only)

RS232-DB9 connector

DC Jack (Power Adapter)

Introduction

This document talks about details of Telit GL86x based GPRS modem (CST-GL86x-MODEM and CST-GL86x-MODEM-BC). These modems are optimum, ready to use solution for customers of Machine to Machine (M2M) applications. This module is based on Telit GL865 GSM/GPRS module. It provides optional battery charging feature for this modem (CST-GL86x-MODEM-BC).

Some key application areas include:

- Industrial M2M communications
- Remote Monitoring and Control
- Point of Sale Terminals
- Metering
- Warehousing
- Logistics and Freight Management

.Note: There is optional rugged, yet lightweight aluminum enclosure available for this modem.

1. CST-GL86x-MODEM Features:

1.1 General features:

- Based on Telit GL86x GPRS module
 - DUAL-Band EGSM 900 / 1800 MHz
 - Embedded TCP/IP, FTP, SMTP
 - Remote AT commands
 - License free Python Engine
 - Low power : 1.5mA @ Idle
- Wide power input range from 9 to 24 Volt
 - Ideal for automotive applications.
- RS232 interface with DB9 connector (With Flow control)
- Additional pins on DB9 connector for full utilization of GL86x MODULE in TTL level
 - MODEM RESET: This will allow HOST to reset MODEM
 - DCD: This PIN comes from GL86x Module. Provides server connectivity status to HOST
 - RING: This PIN comes from GL86x module. Indicates SMS or call arrival to the HOST.
- Additional option of RS485 on Auxiliary UART of GL86x
 - Ideal to work with Python script.
- Optional battery charger feature
 - Ideal for remote monitoring
 - Part number CST-GL86x-MODEM-BC
- Expansion connector with following interfaces of GL86x module
 - Auxiliary UART
 - 2 GPIOs
 - 2 ANALOG inputs
 - DAC Output
 - Audio in and out signals
- Antenna connector options
 - SMA and uFL options
- Dimension
 - 50mm x 75 mm