

# GSM Module

## TECHNICAL DATA SHEET

GSM Module is a complete Quad-band GSM/GPRS solution in a ready to use type which can be embedded in the customer applications. It support Quad-band 850/900/1800/1900MHz, it can transmit SMS and data information using GPRS with low power consumption. GSM module uses ARM cortex-M0 microcontroller interfaced to Quectel M95 through UART. RS-485 or 232 output was given as Debug port or Communication port connects to the customer application. The module having a quad band GSM antenna.

GSM Module works with a predefined packet formats given to bridge application with the Client Software. The pre-defined packets formats are given on a RS-485 multi drop protocol format. J-Tag option was given to program the microcontroller as per customer requirement.

### Applications:

- Telemetric & Transportation
- Energy Meters
- Point of sale
- Smart Home Security
- Street Light Management using CCMS
- Vehicle tracking Systems
- Data logger application

### Specifications:

S.No	Description	Specification
1	Product Category	Wireless Networking Module
2	Input Supply Voltage	12V DC
3	Microcontroller	ARM CORTEX-M0 CPU with 48 MHz Operating Frequency
4	Interface Type	RS-485,RS-232, and UART-TTL(3.3V)
5	Memory	I2C EEPROM (256KB or 512Kb)
6	Antenna Frequency	850/900/1800/1900 MHz
6	Antenna Gain	3dB
7	PCB Dimensions	125 x 64mm
8	Module with Enclosure	80x160 x55mm

