

GSM Modem 82GM

GSM/GPRS



Overview

Visiontek 82GM is a highly versatile industrial GSM modem designed for easy integration with RS-232 interface and programmable through AT Commands. This modem can be interfaced with PLC Devices, Data Loggers, and Controllers for industrial applications where DC Power Supply (6- 30 V) is available in the system. It is equipped with features of circuit switched data, SMS and GPRS (Class 10). This modem is available with optional feature of TCP/IP Stack for higher end applications. Visiontek 82GM is a perfect solution for Remote Data Transfer, Industrial Automation, and SCADA. Visiontek 82GM modem, utilizes latest surface mount technology and high level circuit integration to achieve superior performance with minimum space and varied DC power requirements. The modem comes with a Metal casing and optional DIN rail clips with back plate making it an ideal solution for Industrial applications.

Small Foot Print

Din Rail Mounting

Wide range DC Power Supply

Application Areas / Users

- SCADA
- Industrial System Integrators
- Industrial / Process Automation
- Remote Data Logging
- Manufacturers of Data Loggers / RTUs / PLC Devices



Small Foot Print



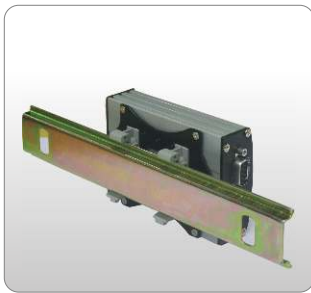
Connectors

Benefits

- Small foot print
- Table Top / Wall Mounting / DIN Rail Mounting*
- Low power consumption
- Easy to use

Features

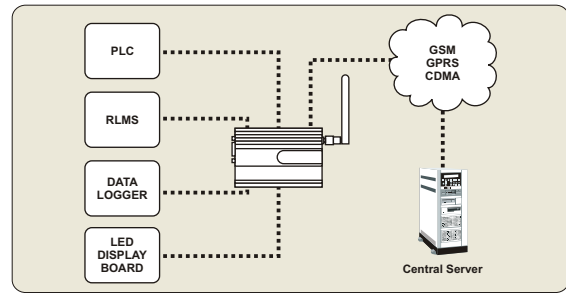
- Quad*/Tri band GSM 850*/900/1800/1900 MHz
- Data, SMS (Text & PDU), GPRS (Class 10) & voice*
- Wide Range DC input voltage 6 - 30V
- Fully compliant with ETSI, GSM Phase 2+ specifications
- Low power consumption
- Operates on standard AT Commands
- 1.8 and 3V SIM Interface
- RS-232 interface (9 PIN 'D' type female)
- * TCP/IP Stack



DIN Rail Mount



Mount Clip



Application Diagram

Specifications

Module	Tri band GSM 900/1800/1900 Mhz * Quad band GSM 850/900/1800/1900 MHz
Output Power	Class 4 (2W for GSM 900) Class 1 (1W for GSM 1800)
SIM Interface	External SIM 1.8V & 3V
SMS	Supports Text and PDU mode
Data	Data circuit Asynchronous and non transparent upto 14.4 kbps
GPRS Packet Data Feature	Class 10; Coding Scheme CS1 to CS4
AT Commands Interface	GSM 07.05 and 07.07
Connectors/Switches	RS-232 Serial SIM Card Holder DC power connector (Wago) SMA Antenna connector
Power Supply	Input 6 - 30V DC (with reverse connection protection)
Enclosure	Aluminum Extrusion
Mounting	* Table Top / Wall Mounting / DIN Rail Mounting
Dimensions in mm	94.5 x 66.5 x 27.2 (L x W x H)
Weight	180 Grams
Antenna	* SMA Rubber / Whip

Note: We pursue a policy of continuous research and product development. Specifications and features are subject to change without notice

* Indicates Optional Feature