GSM Industrial Modem 81GR

GSM

Overview

Visiontek GSM Modem 81GR is a wireless cellular connection for 2-way data communication with a wide variety of remote equipment and Utility applications. Mostly used with Electrical Energy Meters in Automated Meter Reading Applications, this modem provides a transparent GSM pipe for data transfer. Specially designed power supply meets all the requirements of type tests and certifications as required by the utilities. Standard Power source is of AC 90-370 Volts with customized surge protection option.
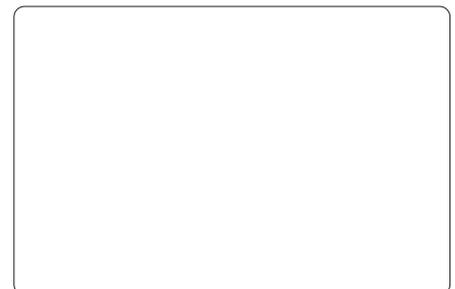
Tri band GSM	Compliant with GSM Stnds.	In-Built Power Supply

Application Areas / Users

- Automated meter reading (AMR)
- Telemetry
- Substation Data Logging
- SCADA Applications
- Wireless data transfer from data loggers,
- sensors, Recorders, RTU and PLC devices
- System Integrators
- Energy, Gas and Fluid Meter manufactures.

Front View

ISO 9001:2008
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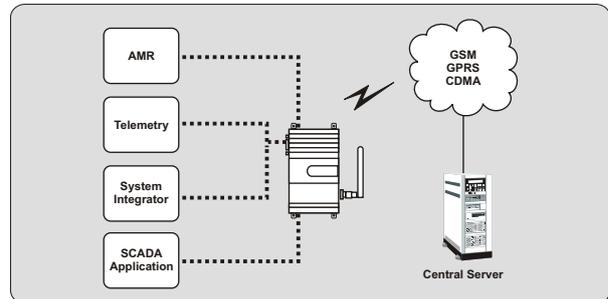CERTIFIED
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Benefits

- In-built Power supply
- Short Message Service (SMS) & CST compatible
- LED indicators give full realtime feedback
- Assured performance and clear cost advantage
- Non transparent (error correction/data compression) data transmission
- Reliable data access and data transfer

Features

- Tri band 900/1800/1900 MHZ GSM
- Remote control by AT commands
- RS-232 interface (9 PIN 'D' type female)
- IP 55 compliant anodized aluminum casing
- LED indication for power, Rx / Tx and Network
- Flexible antenna options
- * Optional Optical port reader for Energy Meters
- Type Test certifications
- Input Power (90V~370V A.C.)

Connectors

Application Diagram

Specifications

Module		Tri band GSM 900/1800/1900MHz
	*	Quad band GSM 850/900/1800/1900 MHz
Output Power		Class 4 (2W for GSM 900)
		Class 1 (1W for GSM 1800)
SMS		Supports Text and PDU Mode
Data		Data circuit Asynchronous and non transparent upto 14.4 kbps
Fax		Automatic PC Fax group 3 (Class 1or Class 2)
GPRS Packet Data		Class 10 Coding Scheme CS1 to CS4,
	*	Embedded TCP/IP stack (Tri-band module only)
AT Commands Interface		GSM 07.05 and 07.07
LED Indications		Tx, Rx, Network
Connectors / Switches		RS-232 Serial (5.4V / 9V*)
		SIM Card Holder
		SMA antenna connector
Power Supply		220V AC
Enclosure		Aluminum Extrusion
Temperature		-10°C ~ +50°C
Certifications		IP55 Compliant, EMI/EMC tested metal casing
Dimensions in mm		140 x 78 x 40 (L x W x H)
Antenna	*	SMA Rubber / 5dB WHIP / *14dB Yagi Antenna

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