Keeping you always on, always informed

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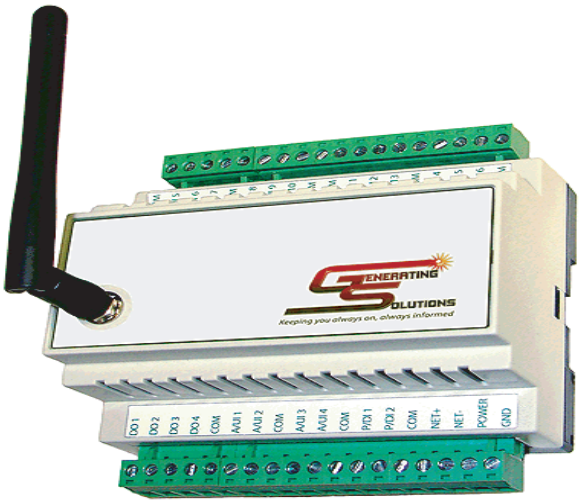


# GS1000

## Cellular Remote Monitoring System

### Overview:

Generating Solutions i.Report® features 16 inputs which accept analog input from thermistors or 0-10V sensors, or discrete input from dry contact switches. The i.Report includes 2 pulse counting inputs with non-volatile totalizing counts. The i.Report also provides 4 discrete ouputs which can sink 1A at 24VDC.

Floating point holding registers provide data from the analog I/O points. In addition, analog (universal) inputs are mirrored to integer registers and may be treated as on/off values. Linearization tables are provided for 3K, 10K and 20K type II, III, and IV thermistors. Input type and scaling is configured by writing to additional holding registers or object properties.

### Features:

Generating Solutions i.Report® software is designed to perform data logging and alarm reporting with all data traffic initiated by the wireless device. The i.Report uses HTTP Get requests to a specially configured server to report data. This approach maximizes efficiency of wireless air time. It also provides the highest level of security since i.Report will not accept any incoming Internet traffic. Only replies to initiated traffic are recognized.

Some of the best features of i.CanDolt® are incorporated into this streamlined adaptation of i.CanDolt optimized for cellular wireless Internet.

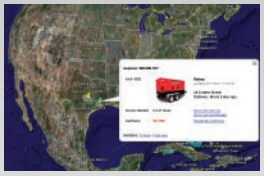
### Technical Specifications:

- Cellular Data Modem
  - 850/1900 MHz GSM/GPRS
  - PTCRB and AT&T Wireless approved
  - SMA antenna connector, 4" antenna included
  - Standard SIM card for activation
- 16 Analog/universal inputs
  - 0-10VDC, Thermistor, dry contact
  - Software selectable input type
  - 10-bit resolution
  - 2 channels capable of pulse count input
- 2 Pulse/Discrete inputs
  - TTL to 24VDC
  - Rate or totalizing count input
- 4 Discrete outputs
  - Open drain FET, 1A current sink
- Modbus RTU Gateway Built In
- Powered by 18-30VDC or 24VAC 50/60 Hz
- Power Consumption:
  - 0.5A @ 24VDC max.
- DIN rail mounting, 100mm H x 105mm W x 60mm D
- Pluggable screw terminal blocks
- Operating temperature -30°C to +70°C
- Global data registers
  - 60 integer (16-bit) registers
  - 60 floating point (IEEE 754) registers
  - First 22 registers allocated to I/O, remaining are available
  - Registers can be read/written by PL/i user program
  - Registers individually selectable for HTTP Client reporting
- Event Threshold Rules
  - 60 event rules each assignable to any data register
  - High/Low thresholds with hysteresis and minimum times
  - Optional output activiation based on rule
  - Automatic reporting to server upon active, inactive
- User Programmable
  - Field programmable with PL/i programming language
  - Create complex threshold rules

### Each Complete Monitoring Kit Includes:

**Cellular Monitoring System:**

- 16 Analog/Universal
- 2 Pulse/Discreet Inputs
- 4 Discreet Outputs
- Connected 24x7x365
- Modbus RTU Gateway
- 18 to 30 Volt System or 24 VAC 50/60 Hz



**Mapping & Reporting:**

- Web Accessible
- Graphical Map Overview
- Simple User Interface
- Run Service Reports
- Query Device
- Monitor Equipment Use

**Alarming Notifications and Control:**

- Equipment Status Change
- Equipment Service Needed
- Remote Control Of Equipment
- GeoFence Violation
- SMS Text Message
- BlackBerry, PDA Message
- Email