

GSM/GPRS IP Gateway

GE203



Quality

Performance

Reliability

- RS485
- MODbus RTU
- Network Status
- Modem Status
- SMS Config
- Antenna
- ON/OFF
- Power Socket
- RTC



This IP Gateway is a cost effective device which can hook up to energy meters or any other device which has Modbus RTU protocol. It can be configured to read the data on the particular interval and post the data to the local server or internet based servers. GSM/GPRS Gateway ensures data is available 24/7. GSM/GPRS Gateway is highly configurable and can read up to 500 parameters. GSM/GPRS Gateway uses TCP/IP medium to communicate to the server which makes it compatible with internet based servers. With simple scripts data can be easily inserted into the database. GSM/GPRS Gateway doesn't have any inbuilt operating system and is not prone to any type of virus attacks and saves energy. GSM/GPRS Gateway also works in tandem with our EMS solutions.

FEATURES:

- Quad-band GSM/GPRS supporting 900/1800 MHz, 850/1900 Mhz
- GPRS Class 10 supporting up to 14,400 bps in GSM CSD mode
- SMS (short message) support
- 15 KV ESD serial line protection
- LED indicators for signal status
- IP30 enclosure supporting
- DIN-rail and wall mounting
- 2.5 KV RMS for 1 minute isolation for all serial signals



Specification:

APPLICATION

- Monitor energy consumption
- Internet based monitoring of field devices
- Energy audit applications
- Internet based data logging applications

Cellular Interface

Standards: GSM/GPRS/EDGE
Band Options: Quad-band 850/900/1800/1900 MHz
GPRS Multi-slot Class: Class 12
GPRS Data Rate: 85.6 kbps DL, 43 kbps UL
GPRS Terminal Device Class: Class B
GPRS Coding Schemes: CS1 to CS4
Tx Power:
GSM1800/1900: 1 W
EGSM850/900: 2 W
LAN Interface (Optional)
Number of Ports: 1
Ethernet: 10/100 Mbps, RJ45 connector, auto MDI/MDIX
Interface
Cellular Antenna Connectors: 1, SMA (female)
I/O Interface
Digital Inputs: 2 inputs
Software
Network Protocols: TCP/IP
Cellular Connectivity: All Network
Serial Operation Modes: TCP Server, TCP Client, SMS Tunnel,
Authentication: Thru password
Utilities: Wireless Search Utility
Configuration and Management Options: Thru SMS

SIM Interface

Number of SIMs: 1
SIM Control: 3 V or 1.8V

Serial Interface

Number of Ports: 1
Serial Standards:
GE203: RS-485 (2 wire)
Serial Communication Parameters

Serial Signals

RS-485-2w: Data+, Data-, GND

Physical Characteristics

Housing: Plastic,
Weight: 45 g
Dimensions: 70 x 90x 65 mm

Environmental Limits

Operating Temperature:
Standard Temperature: 0 to 55°C
Ambient Relative Humidity: 5 to 95% (non-condensing)

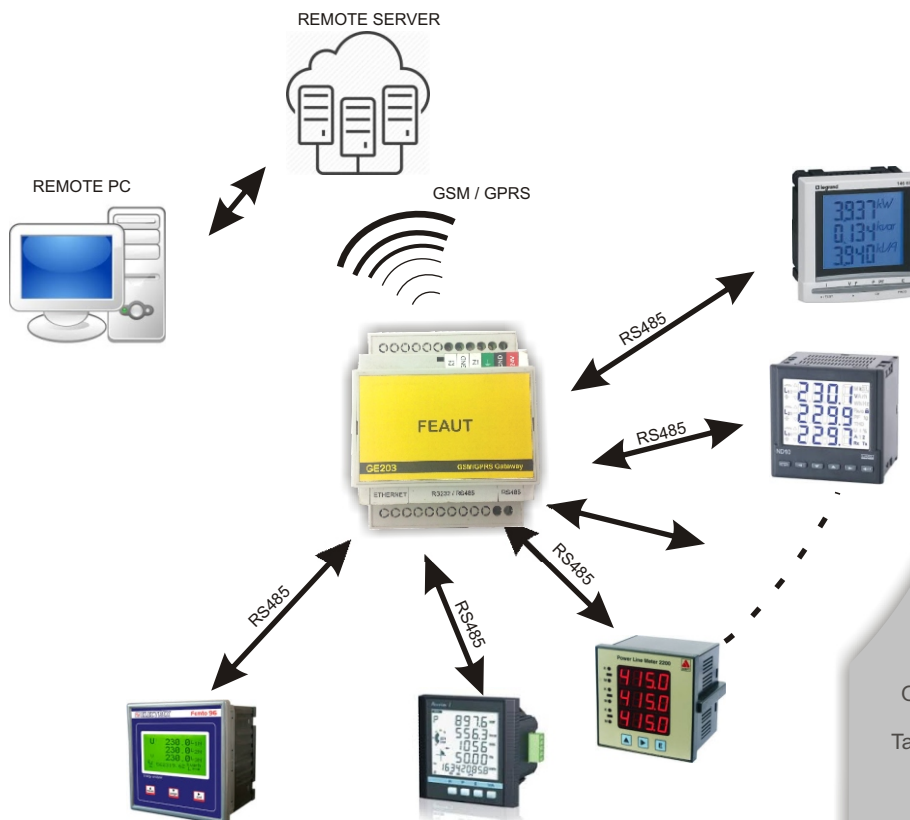
Power Requirements

Number of Power Inputs: 2 (terminal block)

Input Voltage: 12 VDC
Input Current: 2A @ 12 VDC
Standard: Telcordia SR332

Warranty

Warranty Period: 1 years



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