

# QT-608

## GSM/GPRS HART Modem

### Salient Features

- Data Acquisition from Multiple HART clients
- RS232 and RS485 ports for data polling from multiple devices
- Analogue Inputs for sensor data capture
- Pulse counters, Digital Inputs and Digital outputs
- Support TCP/IP, HTTP and FTP protocols for data communication



### Hardware Specifications

- HART port
- Four Analog Inputs, Configurable as 4-20mA or 0-10V (Optional)
- Two Pulse inputs, 5 GPIOs configurable as Digital inputs or Digital Outputs (Optional)
- One RS232/TTL UART, One RS485/TTL UART (Optional)
- 12-24V DC input power
- Sleep mode for low power consumption
- Din Rail mountable enclosure
- GSM 850/900/1800/1900MHz

### Firmware features

- Customisable firmware based on project requirements
- Auto detection of HART Clients
- Data Acquisition from multiple HART Clients
- Continuous monitoring of pulse inputs and maintaining counters.
- Continuous monitoring of analog inputs and Digital Inputs and generation of alerts
- Server Communication using protocols like TCP, HTTP or FTP
- Can support MQTT protocol for M2M applications
- Communication of data to server based on specific events or on configured intervals
- Storing and forwarding of data in case of communication failures
- Programmable automation of DO operations by giving simple conditions for time, week day, DI status etc...
- Operation of Digital output via SMS commands or commands from server
- Supports standard protocols like MODBUS or proprietary protocols on RS232/RS485 ports
- Configuration of parameters via serial port or remotely by SMS or from the Server
- Low power mode for power saving

### Applications

- Remote Monitoring of HART devices like Flow meters and sensors
- Data acquisition from one or more remote MODBUS Client devices
- Remote automation and control



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