

QT601

Low Cost GSM / GPRS Terminal for Remote Data Acquisition and Monitoring.

Salient Features

- RS232 and / or RS485 ports for data acquisition
- Supports protocols like HTTP, TCP/IP, UDP or FTP for data communication to the server
- Supports MQTT protocol
- Customizable firmware
- Built in RTC
- Low cost

Hardware Specifications

- * GSM 850 / 900 / 1800 / 1900MHz GPRS Class 10
- * Multi-slot class 10 (4 Down; 2 Up; max.5) Max BR Download 85.6 Kbps Coding Scheme CS1-CS4
- * Ultra Low Consumption
- * Operating Temperature: -40 ~ +85°C
- * Sensitivity: -109dBm (850 / 900MHz), -108dBm (1800 / 1900MHz)
- * 1 RS232 / TTL UART
- * 1 RS485 / TTL UART
- * 9-24V DC input power
- * Sleep mode for low power consumption

Firmware features

- Customizable firmware based on project requirements
- Communication of data to server on specific events or on configured intervals
- Storing and forwarding of data in case of communication failures
- Supports protocols like HTTP, TCP / IP, UDP or FTP for data communication to the server
- Support MQTT protocol for communicating with MQTT broker/server
- Provision for implementing protocols like Modbus, DLMS or any other proprietary protocol and acquire data from one or more devices connected to RS232 or RS485 ports
- Facility to store mobile numbers in different groups for authorization and SMS alerts
- Configuration of parameters via serial port or remotely by SMS or from the Server
- Facility to go on low power mode when there is no communication and automatic wakeup on incoming communication and serial events
- Watchdog timer
- Over the air updation of firmware

Applications

- Remote monitoring application
- Data acquisition from remote devices on Modbus Protocol
- Automatic Meter reading



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