QT604

This Tiny, Low cost, Low power GSM / GPRS terminal is a perfect choice for data capture and communication from remote devices on RS232 serial port. Ability to go on to low power modes makes this device ideal for battery powered remote monitoring applications

Salient Features

- RS232 port for serial data acquisition
- Sleep mode and power off mode for low power consumption
- Supports protocols like HTTP, TCP / IP, UDP or FTP for data communication to the server
- Supports MQTT protocol
- Customizable firmware
- RTC with battery backup
- Low cost, Low power and Small form factor
- Rugged and stylish aluminum enclosure

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：1.0mA@sleep mode (DRX9)
* Operating Temperature：-40 ~ +85℃
* Sensitivity：-109dBm (850 / 900MHz), -108dBm (1800 / 1900MHz)
* ARM controller with 1MB Flash and 256KB RAM
* One RS232 port
* One TTL UART for debug
* 5-15V DC input power

Firmware features

- Customizable firmware based on project requirements
- Communication of data to server based on specific events or on configured intervals
- Monitors serial port and send data received on serial port to the server on TCP / IP, HTTP or FTP protocols
- Send data or alerts to one or more numbers on receipt of data at serial port
- Storing and forwarding of data in case of communication failures
- Can support MQTT protocol for communicating with MQTT broker/server
- Automatically get into very low power sleep mode and wake up on receipt of data at serial port or on configured time intervals or on incoming call or SMS messages
- Completely get into power off mode and wake up defined time interval for maximum power savings
- 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
- Watchdog timer
- Over the air updation of firmware

Applications

- Remote Data Acquisition
- Easily make any device capable of communication using GSM / GPRS network
- Integrate with any data logger for taking data to the cloud or web / centralized servers
- Make your device capable of sending alert / information messages to one or more mobile numbers

TRAIAC

www.traiac.in   info@traiac.in
+91-7012776582 9544766026