GT-IMT-3G M2M Wireless Module

Advantages and Features

➢ Stable and secure data transmission
➢ Plug and Play configuration
➢ Allow remote communication from office
➢ Relay system to remotely control the power of the connected instruments
➢ Lightning and surge protection
➢ Watchdog function and many other features
➢ Reliable database management system

Description

GT-IMT-3G (IMT stand for International Mobile Telecommunication) wireless module is a high performance and integrated module, which can be used in remote data transmission. This module is integrating both hardware architecture design and advanced software, which featuring a high-performance ARM-M3 processor, two control relay, and configured serial interface which contain one RS232 port and one switchable RS232/RS485 port.

Operating Principle

GT-IMT-3G M2M wireless module is designed to use with mobile communication standard GSM/WCDMA/HSPA networks. It has a wide range application and reliable mechanism to provide a secure and transparent data transmission. By using plug and play feature of GT-IMT-3G wireless module, remote terminal devices, such as datalogger can be connected to a computer server via 2.5G/3G connection through TCP/IP network, enabling a bi-directional communication between them. Inside the server, one could utilize virtual COM ports driver, allowing them to access, manage, and control data transfers from several GT-IMT-3G devices.

By using 3G monitoring software installed inside computer server, several remote GT-IMT-3G wireless modules can be easily managed and controlled from the server, for instances, the software has a feature which allowing users to remotely reset the power of the wireless modules. And by applying relay control system of the GT-IMT-3G, users could even control the power system of any connected instruments/machines which is connected to the wireless modules. For detail information, please refer to GT-IMT-3G user manual.

Transfer data from site to office server

Technical Specifications

Model	GT-IMT-3G Wireless Module
Input Voltage	DC 9V~14V
Current Consumption	Max 95mA
Operational Temperature	-20℃to +80℃
Operating Networks	GSM/WCDMA/HSPA
Compatible Networks	GSM：850/900/1800/1900 MHz WCDMA：900/2100 MHz HSPA：HSDPA
Circuit protection	Lightning and surge protection
Built-in protocol	TCP-IP/Port, APN
Serial Interface	1xRS-232 Port 1xSwitchable RS-232/RS-485 Port
Relay	2x Control Relay
Control relay maximum input	240VAC max @5A 28VDC max @10A
Size	120mm×120mm×35mm
Watchdog	Built-in
Weight	290g

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