Related Products

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8.1 Wireless Networking Solutions P8-1-1

8.1. Wireless Networking Solutions

● Wireless LAN Converter

http://www.icpdas.com/products/GSM_GPRS/wireless/t-316.htm

The applications of 802.11b wireless LAN are getting more and more popular by more and more mature technology. It's not only faster than the industrial traditional transmission i.e. RS-232, RS-485, RS-422 etc, but also able to reduce the troublesomely wiring works. It also has higher mobility than Ethernet network.

Our T-316 is an Ethernet LAN to wireless LAN converter. In addition to the above advantages, it doesn't need to install any software or drivers when you use it. The setting process is very simple. Users don't need to modify the current hardware system or current running program to enjoy the benefits of wireless transmission.

● Wireless Modem

http://www.icpdas.com/products/GSM_GPRS/wireless/sst-2450.htm

SST-2450 is a spread spectrum radio modem with an RS-232/RS-485 interface port. It is designed for data acquisition and control applications between a host and remote sensors. It is also useful for those applications where the installation of cable wire is inconvenient. The SST-2450 can be used not only in peer-to-peer mode, but also in a multi-point structure.

The SST-2450 is based on a direct sequence spread spectrum and RF technology, operating In the ISM bands with a Frequency Range of 2410.496 MHz ~ 2471.936 MHz. The Channel Spacing is 4.096 MHz.

SST-900 is a radio frequency modem with an RS-232/RS-485 interface port. It supports both peer-to-peer and multi-point structure modes. The SST-900 operates in the ISM bands with a Frequency Range of 902 MHz ~ 928 MHz. The Channel Spacing is 1.5 MHz.

Industrial GSM/GPRS Modems

http://m2m.icpdas.com/gtm-201.html

The GTM-201 series is industrial Quad-band GSM/GPRS modems with RS-232 and USB interfaces that work on frequencies of GSM 850 MHz, EGSM 900 MHz, DCS 1800 MHz and PCS 1900 MHz. The modems utilizes the GSM/GPRS network for convenient and inexpensive data transfer from remote instruments, meters, computers or control systems in either live data or packet data. GTM-201 series has the integrated TCP/IP stack so that even simple controllers with serial communications ports can connect to the modem without the need for special driver implementation.

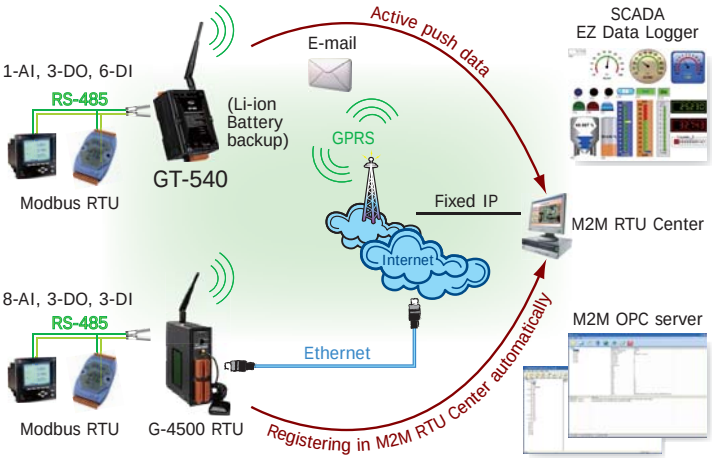
Intelligent GPRS/GSM Modules

http://m2m.icpdas.com/product.html

The GT-500 series GSM Module is GSM remote control and alarm system allows users to use their mobile phone to monitor and control the business from any location. Its alarm facilities provide a flexible way to distribute critical alarm information to any number of mobile phone users.

GT-53x are intelligent SMS and GSM modules for industry applications with the external Li-Batteray backup power. They feature SMS tunnel, SMS contorl, and voice alarm function for users to apply in remote SMS/GSM control system.

The GT-54x are an intelligent Active GPRS Remote Terminal Units. Within the high performance 32 bit CPU, the GT-54x series is suit for the hard industrial environment. It features GPRS/GSM module, 6 digital inputs, 2 digital outputs, 1 analog input, 2 RS-232, 1 RS-485, SD interface and GPS.



Multi-function GPRS/GSM PACs

http://m2m.icpdas.com/product.html

The G-4500 series provided by ICP DAS is M2M (machine to machine) mini programmable controller with a cellular transceiver. It can monitor industrial equipment that sends live data to the monitoring system, and provides real-time status of equipments. With optional GPS model, the G-4500 turns into a GPS tracking system. Also, it works well management system or maritime system.

ZigBee Converter and Repeater

http://www.icpdas.com/products/GSM_GPRS/wireless/solutions.htm#6

ZigBee is a specification based on the IEEE 802.15.4 standard for wireless personal area networks (WPANs). ZigBee operates in the ISM radio bands and its focus is to define a general-purpose, inexpensive, self-organizing, mesh network that can be used for industrial control, embedded sensing, medical data collection, smoke and intruder warning, building automation, home automation, and domotics, etc.

ZigBee uses a basic master-slave configuration that is suited to the static star networks of many infrequently used devices that talk via small data packets. Up to 254 nodes are allowed.

ICP DAS provides many ZigBee solutions such as Ethernet/RS-232/485 to ZigBee Converters, ZigBee Repeater and ZigBee Wireless I/O modules.