WL-430G/T-G

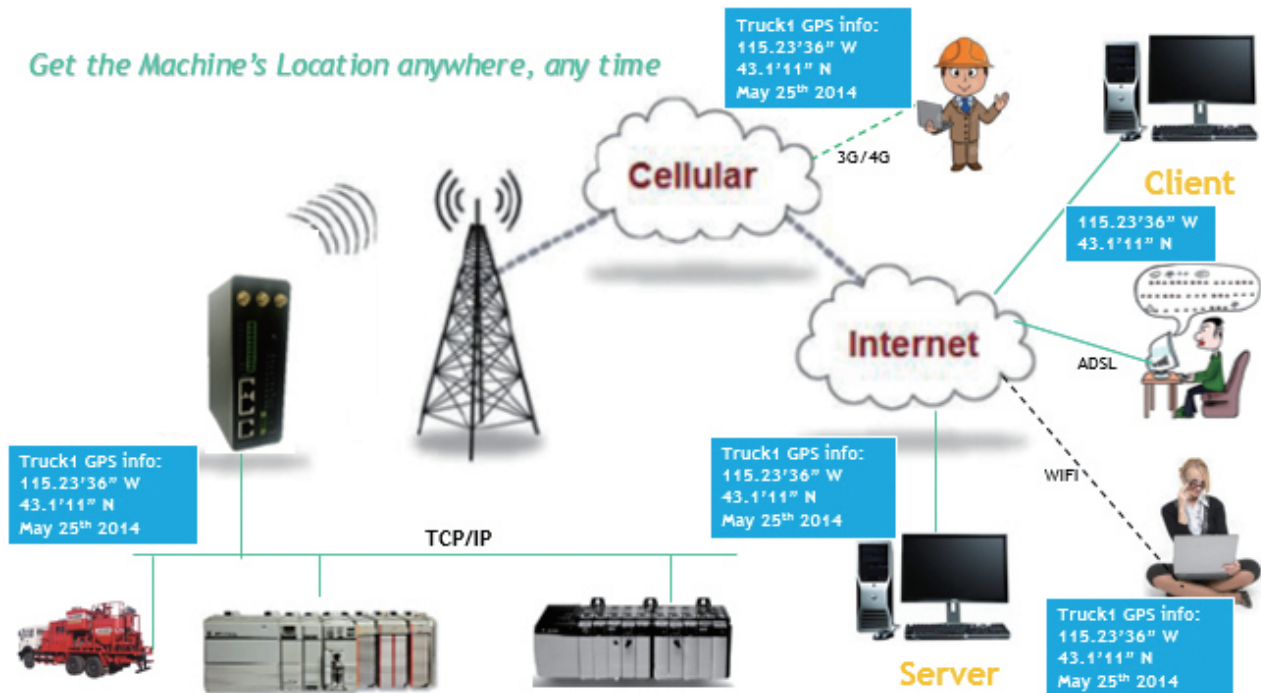## 3G/4G Wireless Modem with GPS

Description:

WL-430G/T-G 3G/4G Wireless Modem is a wireless modem with GPS, the GPS information can be received anytime anywhere, it can be widely applied to Oil & Gas, Coal-Mining, Iron & Steel, Water, New-Energy and other industrial system. Connected your PLC, VFD, DCS, instruments via the modem. Use the GPS function get the machine's location.

WL-430G/T series support the latest 4G/3G high-speed wireless cellular technologies; Supports dynamic or static IP addressed assigned by cell carriers. VPN Client and DDNS Client has been designed for the module, PLC program can be uploaded/downloaded at anyplace. This enables configuration, programming or debugging of almost any industrial device from any location. Whether you're using a GPRS, 3G, EDGE, HSDPA, HSUPA or LTE Connection, you can use your regular configuration software just as you would if you were on site. Allowing HMI, PLCs, sensors etc to communicate with each other. Remote Access removes boundaries, eliminates the need for time consuming site visit and provides a network infrastructure suitable for today's "always-on" society.

All interface and LEDs in the front and with the DIN-Rail in the back make the module well suited for the industry application. In order to protect against issues caused by ground loop, optical isolation was designed between the Ethernet Port and Serial Port.

Get the Machine's Location anywhere, any time

Features:

Supported 2G/3G/4G network

2 port 10/100 Ethernet LAN switch with LAN / DMZ configurable zones

3G/4G module built-in

Support A-GPS, According to the NMEA-0183 protocol, send the information such as location and Local time to PC, PDA and other devices via TCP/IP.

WiVPN client w/DES, 3DES, AES

Stateful Packet Inspection Firewall

Supports dynamic or static IP addresses assigned by cellular carriers

Support APN/VPDN network

Support routing function, two Ethernet ports can be used as one for WAN the another for LAN

DHCP, DDNS, Port Forward and SNMP is supported

It can be configured by webpage or CLI

Technical specifications:

3G/4G

Compatible Mobile Networks	LTE, DC-HSPA+, HSPA+, HSDPA, HSUPA, WCDMA, GSM, GPRS, EDGE,	850/900/1900/2100
	EVDO,CDMA2000 1X	800/1900
	HSUPA/HSDPA/UMTS/EDGE/GPRS/GSM	
Band Width	LTE	UL/DL: 50Mbps/ 150Mbps
	HSDPA+(1)	UL/DL: 5.76Mbps/ 14.4Mbps
	HSDPA+(2)	UL/DL: 5.76Mbps/ 21Mbps
	EVDO(3G)	1.8Mbps/ 3.1Mbps

GPS Function

GPS Protocol	NMEA-0183,A-GPS,GNSS
Positioning methods	GPS, MSA,MSB,XTRA,CELL ID,GNSS
GPS Port	3033,3032

Others

Advanced Firewall Features	Network Address Translation (NAT) State full Packet Inspection (SPI)
Media Access Control	CSMA/CA with ACK
Others	WiVPN, DHCP, DNS, DDNS, ICMP

Hardware Specificatons

Size	Width 1.6 inches x Height 5.3 inches x Depth 3.7 inches
Weight	1.2lbs (543g)
Enclosure	Aluminum DIN-Rail
Interface	2×RJ45(10/100Mbps)1×Rs232, 2× SMA,1× RS485, 1X1.8V/3V SIM solt
Operation Temperature	-40°C - 70°C
Storage Temperature	-40°C - 85°C
Humidity	95% Maximum (Non-condensing)
Power	10-31VDC
Power consumption	Idle: 130mA@24VDC ,Max: 250mA@24VDC Average:160mA@12VDC