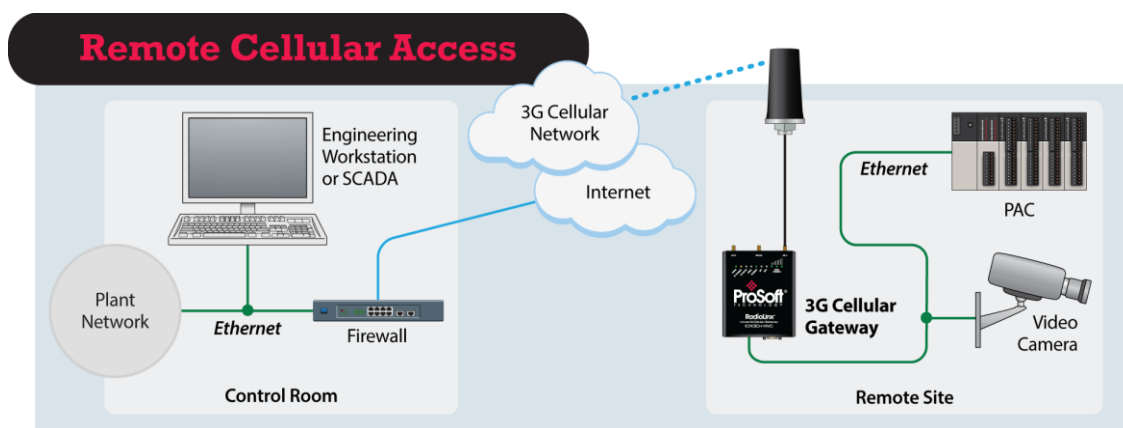


Industrial Cellular Gateway ICX30-HWC

The ICX30-HWC Industrial Cellular Gateway provides secure wireless Ethernet and serial connectivity to remote devices over 3G cellular service. These devices include PLCs, RTUs, DCS systems, instruments, electronic billboards and communication towers. Remote devices are accessed using secure VPN tunnels over Internet connections.

This Industrial Cellular Gateway is ideal for programming and maintenance of remote equipment, remote data collection, SCADA, and machine-to-machine (M2M) applications. With integrated GPS, the cellular gateway can be used for location-based monitoring of applications.

Operates on GSM or CDMA networks with a single device.



Features

- ◆ Supports 3G GSM and CDMA
- ◆ Supports cellular networks worldwide
- ◆ Secure VPN connections over Internet and cellular links for remote site access to corporate networks (VPN Client Mode)
- ◆ Simultaneous Ethernet and serial data port (Modbus & DF1 encapsulation) communications providing SCADA migration path to cellular for serial and Ethernet devices
- ◆ Built-in discrete & analog I/O to remotely monitor alarm status
- ◆ Integrated GPS for location based monitoring
- ◆ Up to 14.4 Mbps for downlink and up to 5.76 Mbps Uplink speed for video monitoring applications
- ◆ EtherNet/IP™ Class 3 Server allows diagnostic data to be available in the PAC, enabling decisions to be based on cellular gateway health
- ◆ 10 to 24 VDC and PoE power options - supports common industrial power sources or PoE to reduce cabling costs
- ◆ Built-in web server for local / remote configuration, monitoring and wireless network diagnostics
- ◆ Disaster recovery feature (microSD) for quick field replacement without need of programming software or operator training
- ◆ Supports Generic Routing Encapsulation (GRE) for tunneling routes using the GRE web interface

Specifications

Radio

Cellular Technology	CDMA, CDMA2000 GSM, UMTS/WCDMA, HSPA+, GPRS, EDGE.
Bands	CDMA2000: 800/1900 MHz GSM: 850/900/1800/1900 WCDMA: 800/850/900/1900/2100
Max Downlink Speeds	Up to 14.4 Mbps maximum (network dependent)
Max Uplink Speeds	Up to 5.76 Mbps maximum (network dependent)
Activation	SIM Slot (GSM), Flash Memory (CDMA)
Security	OpenVPN, IPSec
GPS	GPS EtherNet I/P reporting

Physical

Enclosure	Extruded aluminum with DIN clip
Dimensions (H x W x D)	5.5 x 4.5 x 1.25 in 14 x 11.4 x 3.2 cm
Shock	IEC 60068-2-27; 15G @ 11ms (Operational) IEC 60068-2-27; 30G @ 18ms (Non-Operational)
Vibration	IEC 60068-2-6; 10G, 10Hz to 150Hz
Ethernet Port	(1) 10/100 Base-T, RJ45 connector
Serial Port	(1) DB9 female (serial tunneling & encapsulation)
Antenna Ports	(2) RP-SMA connector (1) SMA Connector (GPS)
I/O Connector	Six-position screw terminal
I/O Port	(2) Discrete Inputs/Outputs (programmable) (2) Analog Inputs, (1) 0-20 mA, (1) 0-12 VDC
Weight	1.1 lbs (499g)

Environmental

Operating Temperature	-40°F to +158°F (-40°C to +70°C)
Humidity	Up to 100% RH, with no condensation
External Power	10 to 24 VDC
Power over Ethernet	802.3af Compliant
Peak Power Consumption	< 6W

Regulatory Approvals

Wireless Approvals

Visit our web site at www.prosoft-technology.com for current wireless approval information.

Hazardous Locations

ATEX: Zone 2 Cat 3
UL/cUL: Class 1 Div 2

Regulatory

CSA/CB Safety
CE Mark
ETSI
FCC/IC
PTCRB



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Ordering Information

To order this product, please use the following:

Industrial Cellular Gateway

ICX30-HWC

ICX30-HWC-BR (Brazil)

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft Technology distributors near you, go to: www.prosoft-technology.com and select *Where to Buy* from the menu.

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