DATASHEET

ICX35-HWC
Industrial Cellular Gateway

ProSoft Technology®

The ICX35-HWC Industrial Cellular Gateway is used for any remote connectivity applications like remote access, SCADA connectivity to remote sites, or M2M communications.

It is the ideal communications solution for system integrators and OEMs that need to monitor devices that are in hard-to-reach spots. With the ICX35-HWC, the user can monitor and troubleshoot devices from anywhere in the world over 4G LTE cellular connections, with fallback to 3G or by using the on-board Ethernet port as a WAN/LAN port.

Ubiquitous and reliable cellular coverage allows the ICX35-HWC to be used to connect geographically dispersed sites for SCADA and telemetry applications.

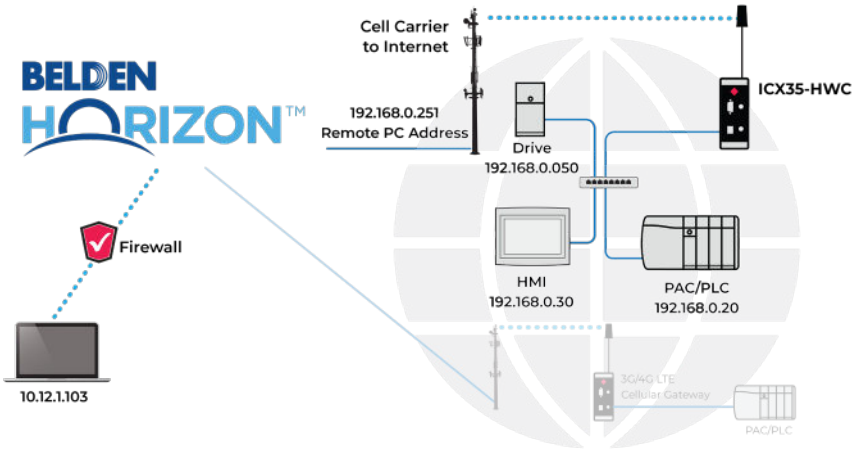
The ICX35-HWC uses a multi-layered approach (Defense-In-Depth) to security. These include 256-bit AES encryption and one-time-use tunnel credentials, to name a few. It supports SMS for alarm management.

The ICX35-HWC can also be monitored through Belden Horizon™. This is Belden's IT-secure and OT-friendly cloud-native platform for the Industrial Internet of Things. This service can be accessed anytime, anywhere in the world, offering the user a secure and intuitive Web interface to monitor their automation devices in real time. For more information on Belden Horizon, please visit our website, www.prosoft-technology.com, and search for "Belden Horizon."

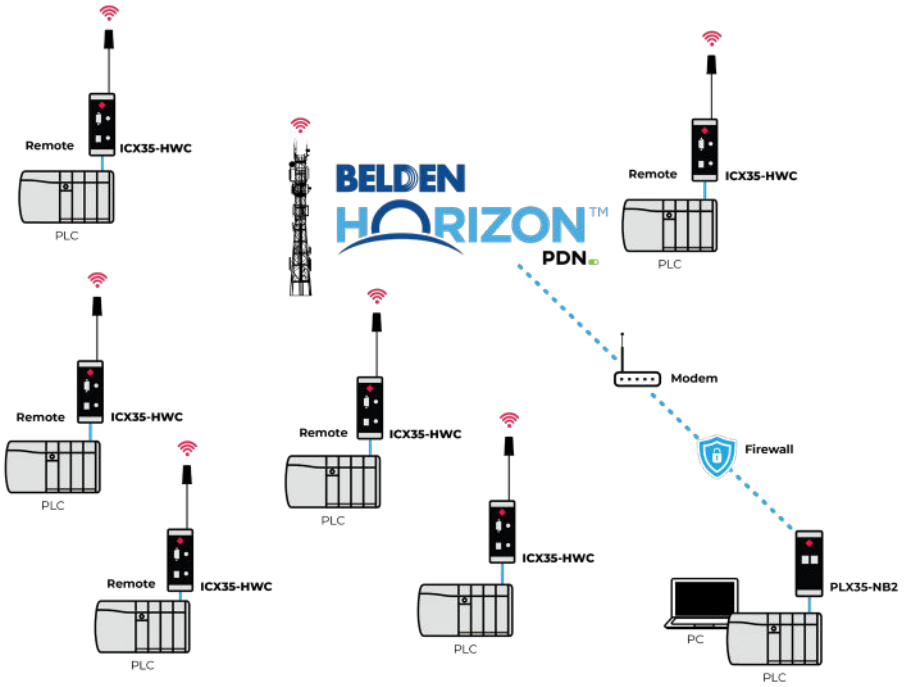
The gateway supports OpenVPN connectivity to dual servers for redundancy.

Features

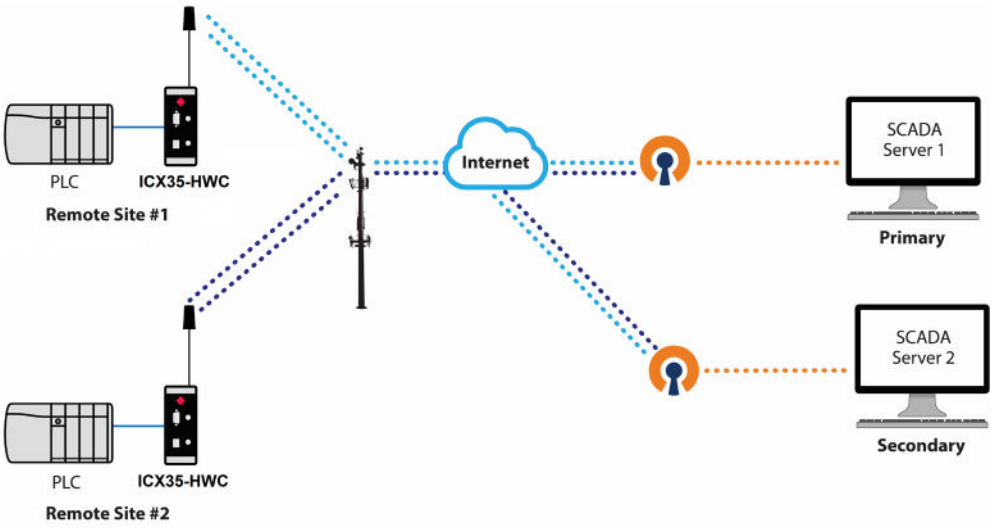
- Verizon™, AT&T®, and PTCRB (global) Certified
- EtherNet/IP™ and Modbus® TCP/IP support. Your PAC/PLC can easily read diagnostic data from the gateway
- Integrates with Belden Horizon, Belden's secure, cloud-native platform for the Industrial Internet of Things
- IP Allow List: Specifies which end-device IP addresses can be accessed
- Ethernet port can be configured as a LAN/WAN port – wired or wireless connection to Belden Horizon
- Virtual Lockout-Tagout (vLOTO™) when creating secure remote access connection through Belden Horizon
- Single Sign-On (SSO) when creating secure remote access connection through Belden Horizon
- Port forwarding: 10 entries maximum
- Supports SMS messaging from your PAC/PLC using EtherNet/IP™ or Modbus® TCP/IP
- Secure single or dual OpenVPN connections over Internet and cellular links for remote site access to corporate networks
- Supports NTP client and server functionalities
- Built-in web server for local/remote configuration, monitoring and wireless network diagnostics



On-demand Secure Remote Access Application using the ICX35-HWC.



Always-on secure, managed connection via the ICX35-HWC for remote communication between remote sites.



Redundant SCADA connectivity to remote sites via OpenVPN.

Specifications

Radio

Cellular Technology	LTE, GSM, UMTS/HSPA+, GPRS, EDGE, CDMA
Frequency/Bands	**ICX35-HWC-A**: Freq: 700/800/850/900/1700/1800/1900/2100 MHz HSPA and HSPA+ Bands: 1,2,4,5,8 LTE Bands: 2,4,5,13,17,25 Quad-band EDGE/GPRS/GSM CDMA/EVDO Bands: BC0, BC1, BC10 **ICX35-HWC-E**: Freq: 800/850/900/1800/1900/2100/2600 MHz HSPA and HSPA+ Bands: 1,2,5,8 LTE Bands: 1,3,7,8,20 Quad-band EDGE/GPRS/GSM
Verizon Certified	ICX35-HWC-A
AT&T Certified	ICX35-HWC-A
PCTRB	ICX35-HWC-A and ICX35-HWC-E
Activation	SIM Slot
Security	OpenVPN client, IPSec client, IP Address Filtering

Physical

Enclosure	Extruded aluminum with DIN clip
Dimensions (H x W x D)	5.52 x 2.06 x 4.37 in 14.01 x 5.24 x 11.09 cm
Shock	IEC 60068-2-27; 20G @ 11ms (Operational) IEC 60068-2-27; 30G @ 11ms (Non-Operational)
Vibration	IEC 60068-2-6; 10G, 10 to 150 Hz
Ethernet Port	(1) 10/100 Base-T, RJ45 connector
Serial Port	(1) DB9 female (serial tunneling & encapsulation)
Antenna Ports	(2) Female RP-SMA connector **Antenna(s) sold separately**
Weight	14.5 oz (411 g)

Environmental

Operating Temperature	IEC 60068 -40°F to +158°F (-40°C to +70°C)
Relative Humidity	IEC 60068-30 5% to 95%, with no condensation
External Power	10 to 30 VDC
Peak Power Consumption	< 6W

Agency Approvals & Certifications

Please visit our website: www.prosoft-technology.com

Where Automation Connects™ Global Distribution

ProSoft Technology® products are distributed and supported worldwide through a network of over 500 distributors in over 50 countries. Our knowledgeable distributors are familiar with your application needs. For a complete list of distributors, go to our website at: www.prosoft-technology.com

Ordering Information

To order this product, please use the following:

Industrial Cellular Gateway

ICX35-HWC-A (FCC model)

ICX35-HWC-E (ETSI model)

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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