



ICX35-HWC
Industrial Cellular Gateway
3G/4G LTE

July 17, 2019

Your Feedback Please

We always want you to feel that you made the right decision to use our products. If you have suggestions, comments, compliments or complaints about our products, documentation, or support, please write or call us.

ProSoft Technology, Inc.

+1 (661) 716-5100

+1 (661) 716-5101 (Fax)

www.prosoft-technology.com

support@prosoft-technology.com

ICX35-HWC Release Notes

July 17, 2019

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1 Start Here

This document highlights the new features, fixes, enhancements and known issues for the ICX35-HWC radios.

1.1 About the ICX35-HWC Products

Model	Standards	LTE Bands
ICX35-HWC-A	FCC	2, 4, 5, 13, 17, 25
ICX35-HWC-E	ETSI	1, 3, 7, 8, 20

The ICX35-HWC Industrial Cellular Gateway provides secure wireless Ethernet and serial connectivity to remote devices over 4G LTE cellular service with fallback to 3G. These devices include PAC/PLCs, RTUs, DCS systems, instruments, electronic billboards and communication towers. Remote devices can be accessed using secure VPN tunnels over Internet connections.

The ICX35-HWC is ideal for programming and maintenance of remote equipment, remote data collection, SCADA, and machine-to-machine (M2M) applications.

1.2 Release Enhancements

Release Version	Release Date	Description
1.7.30	17-Jul-2019	<p>New Features</p> <ul style="list-style-type: none"> SMS improvements: added sent message list to the Local UI. Added support for OpenVPN user/password authentication. <p>Fixes & Changes</p> <ul style="list-style-type: none"> None <p>Known Issues</p> <ul style="list-style-type: none"> If the ICX35-HWC is being used in an OpenVPN setup, it will reboot if an unrecoverable error is detected. ICX35-HWC firmware can be updated via ProSoft Connect or via the local User Interface (UI). It is recommended that ICX35-HWC firmware be updated via ProSoft Connect. If firmware needs to be updated via the UI, then: <ul style="list-style-type: none"> The ICX35-HWC must be disconnected from the tunnel. If the ICX35-HWC is part of a PDN project in ProSoft Connect, then the ICX35-HWC needs to be moved to a standard project prior to the firmware upgrade.
1.6.20	3-May-2019	<p>New Features</p> <ul style="list-style-type: none"> None <p>Fixes & Changes</p> <ul style="list-style-type: none"> SMS: <i>Message Center</i> configurable from UI. Added additional method of time sync when NTP is unavailable. <i>Serial Encapsulation</i> setting available with OpenVPN enabled. Cellular interface works with PIN saved. When enabling or disabling the Cellular Interface, the ICX35-HWC will reboot. <p>Known Issues</p> <ul style="list-style-type: none"> None
1.5.65	19-Feb-2019	<p>New Features</p> <ul style="list-style-type: none"> Support for retrieving the logs from ProSoft Connect. Support for remote shell for the Support Team. <p>Fixes & Changes</p> <ul style="list-style-type: none"> User Sessions are extended based on last activity. Support for remote shell for the Support Team. Allowing for a 5 character user name. User Interface fixes. Fixed a bug related to factory reset using the jumper. <p>Known Issues</p> <ul style="list-style-type: none"> When the Cellular Interface is toggled from <i>Disabled</i> to <i>Enabled</i>, the LAN interface is automatically set to <i>Static</i> despite its previous configuration.
1.4.110	14-Dec-2018	<p>New Features</p> <ul style="list-style-type: none"> Fixed issue with using User Name and Password for WAN connection. DNS request will be resolved correctly when ICX35-HWC is used to provide Internet Access. Redesigned the <i>Internet Access through LAN</i> feature. It is now configured through the <i>Cellular Interface</i> toggle.

		<p>Known Issues</p> <ul style="list-style-type: none"> When the <i>Cellular Interface</i> is toggled from Disabled to Enabled, the LAN interface is automatically set as static no matter its previous configuration.
1.4.90	29-Oct-2018	<p>New Features</p> <ul style="list-style-type: none"> Fixed memory usage issue affecting connectivity with ProSoft Connect. Added support for "@" character in SMS messages. <p>Known Issues</p> <ul style="list-style-type: none"> Serial encapsulation port modes RS-485 and RS-422 are not supported. ICX35-HWC only sends Modbus SMS messages to the odd-numbered phone numbers in the list.
1.4.78	19-Jun-2018	<p>New Features</p> <ul style="list-style-type: none"> Serial encapsulation port modes RS-485 and RS-422 are not supported. Added Modbus TCP/IP support for diagnostics and SMS send/receive. Added SMS send/receive feature from Local UI. Additional EtherNet/IP object functions added: reboot, clear SMS messages. Unit no longer reboots when changing configuration parameters in Local UI. Access to ProSoft Connect on LAN. Security updates Status screen improvements. Logging system improvements. Editing the IP address is now allowed even if <i>Port Forwarding</i> and <i>Pass Through</i> are enabled. Changing the LAN IP Address will remove invalid <i>Port Forwarding</i> entries. Supports only GSM Basic Character Set. Character Set Extension set is not supported when sending SMS message.
1.3.5	7-Dec-2017	<ul style="list-style-type: none"> Fixed an issue with resolving DNS request.
1.3.4	31-Oct-2017	<ul style="list-style-type: none"> Fixed issue with Port Forwarding not working in case IP Pass-Through is disabled. Fixed issue with IP Pass-Through being enabled when it is configured to be disabled. Fixed issue with SIM Automatic Unlock not being persisted through power cycle. <p>Known Issues</p> <ul style="list-style-type: none"> AT&T 3G-only connections may occasionally reset. On AT&T, only rapid SMS messages received may temporarily disconnect radio.
1.3.3	11-Sep-2017	<ul style="list-style-type: none"> Addressed security vulnerabilities. Added ability to disable Host IP pass-through feature. Fixed issue with DF1 serial port communications experiencing periodic serial port disconnects. Fixed an issue with OpenVPN tunneling. Fixed an issue with multi-line SMS messages causing network disconnection. Improved port forwarding configuration. <p>Known Issues</p> <ul style="list-style-type: none"> AT&T 3G only - connections may occasionally reset AT&T only - rapid SMS messages received may temporarily disconnect radio
1.3.2	15-Jun-2017	<ul style="list-style-type: none"> Addressed security vulnerabilities.

		<ul style="list-style-type: none"> • Fixed IPSec connectivity issue. • Fixed IMEI display inconsistency. • Fixed DHCP renewal issues for certain cellular network connections.
1.3	20-Mar-2017	<ul style="list-style-type: none"> • Verizon Support Users will be able to use the ICX35-HWC with Verizon SIM card. • SIM PIN Entry Some cellular services, such as prepaid data services, require a Personal Identification Number to activate the SIM card. Users will be able to enter and change the PIN number from their SIM cards through the ICX35-HWC and, if needed, use the PUK code to unlock the SIM. <p>Note: We strongly encourage using 4G/LTE SIM cards.</p>
1.2	7-Sep-2016	<ul style="list-style-type: none"> • Network Time Protocol (NTP) support - Configures an NTP server to update the time on the ICX35-HWC. • Radio card firmware upgrade mechanism - Upgrades the radio card firmware using the ICX35-HWC user interface. • EtherNet/IP support - Enables EtherNet/IP controllers to gather diagnostic and data from the ICX35-HWC. • SMS support - Enables SMS support. <p>Note: We strongly encourage using 4G/LTE SIM cards.</p>
1.1a	29-Apr-2016	<ul style="list-style-type: none"> • Fixes a firmware update issue with ProSoft Connect.
1.1	31-Mar-2016	<ul style="list-style-type: none"> • Port Forwarding feature enabled – Max 10 entries. • ProSoft Connect integration feature enabled.
1.0	5-Feb-2016	<ul style="list-style-type: none"> • Data Loss Transferring Large Files in Serial Generic Mode - Transferring packets exceeding 1024 bytes in length in Serial Generic mode may result in a loss of data. • Serial DF1 Full Duplex using UDP does not transfer data properly.

2 Support, Service & Warranty

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2.1 Contacting Technical Support

ProSoft Technology, Inc. is committed to providing the most efficient and effective support possible. Before calling, please gather the following information to assist in expediting this process:

- 1 Product Version Number
- 2 System architecture
- 3 Network details

If the issue is hardware related, we will also need information regarding:

- 1 Module configuration and associated ladder files, if any
- 2 Module operation and any unusual behavior
- 3 Configuration/Debug status information
- 4 LED patterns
- 5 Details about the serial, Ethernet or Fieldbus devices interfaced to the module, if any.

Note: For technical support calls within the United States, an emergency after-hours answering system allows 24-hour/7-days-a-week pager access to one of our qualified Technical and/or Application Support Engineers. Detailed contact information for all our worldwide locations is available on the following page.

Asia Pacific	Europe / Middle East / Africa
<p>Regional Office Phone: +603.7724.2080 asiapc@prosoft-technology.com Languages spoken: Bahasa, Chinese, English, Japanese, Korean REGIONAL TECH SUPPORT support.ap@prosoft-technology.com</p>	<p>Regional Office Phone: +33.(0)5.34.36.87.20 europe@prosoft-technology.com Languages spoken: French, English REGIONAL TECH SUPPORT support.emea@prosoft-technology.com</p>
<p>North Asia (China, Hong Kong) Phone: +86.21.5187.7337 china@prosoft-technology.com Languages spoken: Chinese, English REGIONAL TECH SUPPORT support.ap@prosoft-technology.com</p>	<p>Middle East & Africa Phone: +971.4.214.6911 mea@prosoft-technology.com Languages spoken: Hindi, English REGIONAL TECH SUPPORT support.emea@prosoft-technology.com</p>
<p>Southwest Asia (India, Pakistan) Phone: +91.98.1063.7873 india@prosoft-technology.com Languages spoken: English, Hindi, Urdu</p>	<p>North Western Europe (UK, IE, IS, DK, NO, SE) Phone: +44.(0)7415.864.902 nweurope@prosoft-technology.com Language spoken: English</p>
<p>Australasia (Australia, New Zealand) Phone: +603.7724.2080 pacific@prosoft-technology.com Language spoken: English</p>	<p>Central & Eastern Europe, Finland Phone: +48.22.250.2546 centraleurope@prosoft-technology.com Languages spoken: Polish, English, Russia & CIS Phone: +7.499.704.53.46 russia@prosoft-technology.com Languages spoken: Russian, English</p>
<p>Southeast Asia (Singapore, Indonesia, Philippines) Phone: +603.7724.2080 seasia@prosoft-technology.com Languages spoken: English, Bahasa, Tamil</p>	<p>Austria, Germany, Switzerland Phone: +33.(0)5.34.36.87.20 germany@prosoft-technology.com Language spoken: English, German</p>
<p>Northeast & Southeast Asia (Japan, Taiwan, Thailand, Vietnam, Malaysia) Phone: +603.7724.2080 neasia@prosoft-technology.com Languages spoken: English, Chinese, Japanese</p>	<p>BeNeLux, France, North Africa Phone: +33(0)5.34.36.87.27 france@prosoft-technology.com Languages spoken: French, English</p>
<p>Korea Phone: +603.7724.2080 korea@prosoft-technology.com Languages spoken: English, Korean</p>	<p>Mediterranean Countries Phone: +39.342.8651.595 italy@prosoft-technology.com Languages spoken: Italian, English, Spanish</p>

Latin America	North America
<p>Brazil, Argentina, Uruguay Phone: +55.11.5084.5178 brasil@prosoft-technology.com Languages spoken: Portuguese, Spanish, English REGIONAL TECH SUPPORT support.la@prosoft-technology.com</p> <p>Mexico Phone: +52.222.264.1814 mexico@prosoft-technology.com Languages spoken: Spanish, English REGIONAL TECH SUPPORT support.la@prosoft-technology.com</p> <p>Andean Countries, Central America, Caribbean, Chile, Bolivia, Paraguay Phone: +507.6427.48.38 andean@prosoft-technology.com Languages spoken: Spanish, English REGIONAL TECH SUPPORT support.la@prosoft-technology.com</p>	<p>Regional Office Phone: +1.661.716.5100 info@prosoft-technology.com Languages spoken: English, Spanish REGIONAL TECH SUPPORT support@prosoft-technology.com</p>

2.2 Warranty Information

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