



Where Automation Connects.



ICX35-HWC

Industrial Cellular Gateway

3G/4G LTE

December 14, 2018

RELEASE NOTES

Your Feedback Please

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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 Special Notes

This section contains information regarding special procedures and potential limitations that may be required for this release.

1.2 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.

1.3 Release Enhancements

Release Version	Release Date	Description
1.4.110	14-December-2018	<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. Known Issues <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-October-2018	<ul style="list-style-type: none"> Fixed memory usage issue affecting connectivity with ProSoft Connect. Added support for "@" character in SMS messages. Known Issues <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-June-2018	<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-December-2017	<ul style="list-style-type: none"> Fixed an issue with resolving DNS request.
1.3.4	31-October-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. Known Issues <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-September-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.

		<ul style="list-style-type: none"> 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-June-2017	<ul style="list-style-type: none"> Addressed security vulnerabilities. Fixed IPSec connectivity issue. Fixed IMEI display inconsistency. Fixed DHCP renewal issues for certain cellular network connections.
1.3	20-March-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-September-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-April-2016	<ul style="list-style-type: none"> Fixes a firmware update issue with ProSoft Connect.
1.1	31-March-2016	<ul style="list-style-type: none"> Port Forwarding feature enabled – Max 10 entries. ProSoft Connect integration feature enabled.
1.0	5-February-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.

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2.2 Warranty Information

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