

# iSTAR Firmware Fixes and Enhancements Reference Guide



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## Finding more information

### Software House Support Portal

The Software House Support Portal provides software downloads, knowledge-based articles, technical documents, and tips to install and use Software House products. Qualified integrators can register to access the Software House Support Portal at: <https://support.swhouse.com/#/register>. The email address that you use to register to the portal must be the same one you used for the certification course. If the request is approved, logon credentials are emailed 24 to 48 hours after the request is received.

### User Guides and release notes

User guides and release notes are available on the Software House website and on the Software House Support Portal.

- On the Software House website, navigate to the C•CURE 9000 section, and click the Documents tab. You must sign in to access the full range of documentation: [https://www.swhouse.com/Products/software\\_CCURE9000/](https://www.swhouse.com/Products/software_CCURE9000/)
- On the Software House Support Portal, log in, and then navigate to the C•CURE 9000 documentation section: <https://support.swhouse.com/#/product/c-cure-9000/documentation>

**Note:** Download user guides to C•CURE 9000 server machines, client machines, or both, where required.

### Software downloads

Updated software is available on the Downloads page of the Software House Support Portal: <https://support.swhouse.com/#/software-downloads>

**Note:** To access software downloads, you must log on to the Software House Support Portal.

### Conventions

This manual uses the following text formats and symbols.

**Table 1: Conventions**

Convention	Meaning
<b>Bold font</b>	This font indicates screen elements, and also indicates when you should take a direct action in a procedure. Bold font describes one of the following items: <ul style="list-style-type: none"> <li>• A button or option on the screen to press</li> <li>• A key on the keyboard to press</li> <li>• A screen element or name</li> </ul>
Blue color text <a href="#">Table 1</a>	Indicates a hyperlink to a URL, or a cross-reference to a figure, table, or section in this guide.
<i>Italic font</i>	Indicates a reference to an external document.
Monospace font	This font indicates one of the following items: <ul style="list-style-type: none"> <li>• A variable</li> <li>• A file path or file name</li> <li>• A command or character to type</li> </ul>

The following items are used to indicate important information.

**Note:** Indicates a note. Notes call attention to any item of information that might be of special importance.

- ✓ **Tip:** Indicates an alternate method of performing a task.
- ⚠ **CAUTION:** Indicates a caution. A caution contains information essential to avoid damage to the system. A caution can pertain to hardware or software.
- ⚠ **WARNING:** Indicates a warning. A warning contains information that advises users that failure to avoid a specific action could result in physical harm to the user or to the hardware.

## Software House Support Portal

During the period of the agreement, Software House accepts service calls only from employees of the Systems Integrator of Record for the installation associated with the support inquiry.

Before calling, ensure that you:

- Are the dealer of record for this account.
- Are certified by Software House for this product.
- Have a valid license and current software support agreement (SSA) for the system.
- Have your system serial number available.
- Have your certification number available.

**Table 2: Telephone support hours**

Normal support hours	Emergency support hours
Monday through Friday, 8:00 a.m. to 8:00 p.m., EST, except holidays.	24 hours a day, seven days a week, 365 days a year. Requires enhanced SSA 7 x 24 Standby Telephone Support. For all other customers, billable on time and materials basis. Minimum charges apply, see MSRP.

- ① **Note:** For telephone support contact numbers for all regions, refer to either of the following pages:
  - On the Software House website, go to [https://www.swhouse.com/Support/Contact\\_Technical\\_Support](https://www.swhouse.com/Support/Contact_Technical_Support)
  - On the Software House Support Portal, go to <https://support.swhouse.com/#/contact>

## Overview

This reference guide summarizes the fixed issues and enhancements for iSTAR firmware. The following table lists the releases that are included in this document.

Version	Release Date
iSTAR Ultra, Ultra SE, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.8	October 2025
iSTAR Ultra, Ultra SE, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.7 CU01	August 2025
iSTAR Ultra, Ultra SE, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.7	July 2025
iSTAR Ultra, Ultra LT, Ultra G2, Edge G2 Firmware Version 6.9.6	January 2025
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.5 CU01	September 2024
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.5	June 2024
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.3	February 2024
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2 CU02	December 2023
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2 CU01	July 2023
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2	July 2023
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.1	December 2022
iSTAR Ultra, Ultra LT Firmware Version 6.9.0	November 2022
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.0	October 2022
iSTAR Ultra G2 Firmware Version 6.8.9 CU04	November 2022
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.8.9 CU01	August 2022
iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.8.9	April 2022

## iSTAR Ultra, Ultra SE, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.8

October 2025

### Issues fixed

**Table 3: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.8 Issues Fixed**

Issue Number	Fix Description
94697	Resolved an issue where controller-based active events remain in an active state after acknowledgement if the iSTAR controller rebooted during the active event.
93865	Timestamps are validated before being written to non-volatile flash memory to prevent loss of communication between IP-ACM2 modules and iSTAR GCMs.
92554	Resolved an issue where new clearances were not downloaded to the controller's personnel database unless a full controller download was initiated.

**Table 3: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.8 Issues Fixed**

Issue Number	Fix Description
90653	Resolved an issue where Free Storage Memory and Total Database Flash, in the Status tab of the iSTAR Controller configuration window in C•CURE, displayed incorrect memory information.
89014	Resolved an issue where the iSTAR controller dynamic view displayed an incorrect certificate expiration date.
86363	iSTAR controllers using TLS encryption before a firmware upgrade retain their TLS encryption without needing to recheck the “TLS 1.2 for Cluster Encryption” checkbox after completing the firmware upgrade.

# iSTAR Ultra, Ultra SE, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.7 CU01

August 2025

## Issues Fixed

**Table 4: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.7 CU01 Issues Fixed**

Issue Number	Fix Description
85552	Improved OS password handling and password update handling.
91760	Removed an extraneous package key to improve cybersecurity.
92650	Removed support for HID devices and USB input devices from the Linux kernel on iSTAR Ultra G1, Ultra G2 and Edge G2 controllers.
92661	Improved controller security to prevent authenticated command injections.
93246	Credential updates are now handled correctly when using the legacy High Assurance panel service.

# iSTAR Ultra, Ultra SE, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.7

July 2025

## Issues Fixed

**Table 5: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.7 Issues Fixed**

Issue Number	Fix Description
43598	iSTAR Ultra G2v2 USB port power delay before tripping the electronic circuit breaker has been extended to 200ms.
63908	Resolved an issue where iSTAR web browser certificates are not updated until the controller is rebooted.
81534	Resolved an issue where firmware upgrades fail on iSTAR Ultra G1 controllers configured to use controller-based encryption in FIPS 140.2 mode.
81556	Resolved an issue with TLS 1.3 where Certificate Signing Requests do not occur automatically when the host field is configured with FQDN with a different IP address than the original host IP address.
83316	Resolved an issue where multiple iSTAR time clocks are out of sync by 8-12 seconds.
83932	Resolved an issue where the C•CURE journal reports "[iSTAR name] firmware installation finished" every 30 seconds after firmware upgrade.
85601	SNMP is disabled by default after a factory reset.
84105	Resolved an issue where fast card downloads failed as master controllers did not pass Host IP to members correctly when using FQDN.
86650	The SD Card Encryption Status field on the iSTAR Web Page displays the correct encryption status for SD cards on iSTAR Ultra controllers upgraded from TLS 1.2 to TLS 1.3.
86088	Resolved an issue where the iSTAR Ultra LT webpage did not load as expected on firmware v6.9.3 – v6.9.6.
87955	Resolved an issue where the DNS address of iSTAR controllers reverted to 0.0.0.0 after setting and saving the primary or secondary DNS address.

## Enhancements

**Table 6: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.7 Enhancements**

Issue Number	Enhancement Description
-	Support for the following new OSDP modules with C•CURE v3.10: I16/R16, I16/R2, and I4/R4.
-	Consolidated High Assurance panel services with C•CURE v3.10. iSTAR driver includes High Assurance functionality removing the need for a separate panel services driver.
-	Support for privacy mode and double swipe functionality on Aperio locks with C•CURE v3.10.
-	The iSTAR web page supports the configuration of the following IEEE 802.1X modes: EAP-TLS and EAP-PEAP.

# iSTAR Ultra, Ultra LT, Ultra G2, Edge G2 Firmware Version 6.9.6

January 2025

## Issues Fixed

**Table 7: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.6 Issues Fixed**

Issue Number	Fix Description
32311	iSTAR Ultra IP NIC2 status and configuration is displayed in the iSTAR Web Page including when NIC2 is unconnected.
33535	Resolved an issue where TST-100 readers did not display exit delay animation when the associated intrusion zone is armed.
33762	iSTAR panels support OSDP file transfer delay timeout of longer than 10 seconds.
43652	Upgraded WolfSSL Stunnel to prevent memory leaks detected on iSTAR Ultra G2 and Edge G2 controllers.
47549	iSTAR Ultra core files and logs are zipped/compressed to enable reliable downloads from the iSTAR controller log.
52625	Resolved a firmware-related memory leak on iSTAR Ultra LT-series controllers.
54479	iSTAR Ultra G2 reports supercapacitor status to LCD panel successfully in TLSv1.2 and non-encryption mode
59619	Resolved an issue where iSTAR controllers in communication with a C•CURE host cannot perform a successful communications diagnostic test from the iSTAR Web Page if the C•CURE host firewall is enabled.
60885	Resolved an issue where iSTAR Ultra G2 and Edge G2 controllers on firmware v6.9.3 and v6.9.5 reported incorrect eMMC health, processor temperature, and supercapacitor status values.
62008	Resolved an issue where iSTAR getDebugLogs request caused the iSTAR Web Page interface to become unresponsive.
64494	Resolved an issue where session tokens persisted after authentication.
64496	XSRF-TOKEN field has been updated to ensure SameSite and HttpOnly flags are present.
64497	Cross-Origin-Resource-Sharing Policy has been updated to improve cybersecurity.
67987	Cookie flag is set on iSTAR G2 web server, as expected.
68003	Linux packages have been updated on iSTAR G2 controllers
69838	Resolved an issue where connecting a smart reader to an iSTAR Edge G2 controller caused connected RM readers to go offline, card and configuration downloads to fail, and unexpected controller reboots.
72694	Resolved an issue where changes to 802.1x authentication settings (TLS or PEAP) did not persist.

## Enhancements

**Table 8: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.6 Enhancements**

Issue Number	Enhancement Description
-	The firmware kernel and u-boot boot loader have been updated on the iSTAR Ultra G2, Ultra G2 SE and the iSTAR Edge G2.
-	The cryptographic module has been updated to comply with the FIPS 140-3 standard on the iSTAR Ultra G2, Ultra G2 SE and the iSTAR Edge G2.
-	IP-ACMv2 cybersecurity has been enhanced.
53560	iSTAR Web Page UI now contains a sync-time button to reset synchronize time after a controller reset.
54505	Support for 8 OSDP readers on iSTAR Edge G2 controllers has been added.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.5 CU01

September 2024

## Issues Fixed

**Table 9: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.5 CU01 Issues Fixed**

Issue Number	Fix Description
60150	Card swipe and PIN entry work as expected on IDEMIA readers connected to iSTAR Ultra ACM G2v2 and ACM SE G2v2
57509	Resolved an issue where changes to special purpose inputs (tamper and port power failure) are not reported correctly on iSTAR Ultra SE ACM G2v2 boards.
60142	An issue that caused keypad commands to be rejected if keys on Wiegand readers connected to iSTAR Ultra/SE ACM G2v2 were pressed too quickly has been resolved.
61035	Resolved an issue where intrusion zones did not change state as expected when multiple actions happened simultaneously on iSTAR Ultra controllers running firmware v6.9.5.
62317	Resolved an issue where firmware 6.9.5.27293.i8 running on iSTAR Ultra ACM G2v2 and ACM SE G2v2 sent excessive ACP_STATE reports to the host.
65130	Resolved a firmware upgrade issue that could cause data loss for iSTAR controllers that are cluster members.
46714	Resolved an issue that affected iSTAR Ultra panels that are configured with a static IP address. In the C•CURE Administration Station, this issue caused the Subnet Mask to appear as 0.0.0.0 for the iSTAR controller's two Ethernet adapters.
56044	Resolved an issue where iSTAR Ultra ACM G2v2 and iSTAR Ultra SE ACM G2v2 boards processing supervised and special purpose inputs too fast caused excessive loads on USB communications and logs.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.5

June 2024

## Issues Fixed

**Table 10: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.5 Issues Fixed**

Issue Number	Fix Description
33462	Resolved an issue where Schlage locks did not follow lock / unlock commands if more than one WOR command was sent to wake a lock but the first was not received.
33761	iSTAR controllers support OSDP_BUSY command with applicable readers.
33868	iSTAR Web Page password security has been strengthened.
40224	Resolved an issue where iSTAR panels delayed uploading data to the host.
41052	Resolved an issue where OSDP reader firmware version was not displaying in the C•CURE Administration Station after upgrading to firmware v6.9.2 CU01.
43652	Resolved an issue where memory usage of WolfSSL Stunnel was increasing unexpectedly.
44093	Resolved an issue where ACMs go into comm loss and readers inputs/outputs no longer work until a restart is performed.
44586	jQuery is upgraded on iSTAR Ultra G2 and iSTAR Edge G2.
44667	Resolved an issue where iSTAR Ultra G1 and G2 controllers reverted their network names to imx7d-ultra or imx7d-ultra2 causing DNS/DHCP connectivity issues.
46308	iSTAR Ultra G2 ACM SE v2 and G2 ACM v2 can read 200-bit cards, as expected.
46629	Resolved an issue where firmware upgrades to iSTAR Ultra G1 and Ultra G2 SE ACMs caused OSDP readers to go offline.
46725	Resolved an issue where iSTAR controller dynamic view displays FQDN instead of the controller's actual IP address, as expected.
47087	Resolved an issue where TLS failed to apply IEEE 802.1x settings on iSTAR Edge G2 controllers.
48481	Resolved an issue where iSTAR ACM treated reader tamper as an OSDP input.
51714	iSTAR High Assurance credentials synchronize correctly after C•CURE server failover and High Assurance services upgrades, as expected.
52413	Changed frequency of reader and lock voltages reported to the host to conserve USB bandwidth.
52926	Resolved an issue where an iSTAR PIM could become unresponsive when a communications interruption occurs after a successful card swipe.
54226	Resolved an issue where iSTAR Web Page user login messages were not journaled in C•CURE.
56036	Resolved an issue where the C•CURE Monitoring Station displays a firmware installation message every minute.
56669	Resolved an issue where Innometriks readers, in HA mode, did not read card swipes with CAK enabled on USB on ACM G2v2 boards.

## Enhancements

**Table 11: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.5 Enhancements**

Issue Number	Enhancement Description
33852	iSTAR v6.9.5 ensures that access cards assigned to a PID are enabled for the latest PID and disabled for previously assigned PIDs without deleting the card data from the previously assigned PID.
-	G2-RM-4E OSDP door modules can now support up to 4 inputs and 3 outputs.
-	Support added for the OSDP 8-input expansion module (OSDP-I8) and the OSDP 8-output expansion module (OSDP-R8).
-	<p>OSDP Card Swipe Response information is now displayed in the iSTAR controller web page. After this feature is enabled, you can view card swipe information from the Reader and I/O tab on the Diagnostics page. This enhancement is compatible with the following hardware devices:</p> <ul style="list-style-type: none"> <li>• GCM: iSTAR Ultra, iSTAR Ultra G2, and iSTAR Edge G2</li> <li>• ACM: IP-ACM V2, M4 on Edge G2, and all currently supported USB-ACMs except G2V2</li> </ul>

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.3

February 2024

## Issues Fixed

**Table 12: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.3 Issues Fixed**

Issue Number	Fix Description
37290	Resolved an issue where RAM size was incorrectly reported by iSTAR Ultra G2 controllers using TLS v1.2 encryption mode.
732990	Schlage locks sent more than 1 WOR command follow lock/unlock commands consistently.
809522	An unnecessary message (Master214) has been removed from the iSTAR Ultra and Ultra G2 LCD display.
816327	Correct SD card encryption status is displayed in the controller's dynamic view.
819691	Resolved an issue where monthly/yearly recurring holiday dates caused downloaded scheduled events to behave unexpectedly.
821682	Alternate Input Fault State Debounce option is visible on the iSTAR Ultra Web Page Configure/Settings page, as expected.
824268	Resolved an issue where the clearance list in the iSTAR diagnostics webpage would not load if more than 1680 clearances existed.
835811	Resolved an issue where iSTAR Edge G2 and Ultra G2 controllers were rejecting valid credentials when personnel database image is malformed.
841016	Resolved an issue where NEDAP NED-9217371-LA readers using OSDP lost communication with iSTAR panels.
842072	iSTAR Ultra, Ultra G2, Ultra LT, and Edge G2 controllers respect Timed Antipassback in a global Antipassback setup, as expected.
851297	iSTAR Ultra ACM G2v2 board LEDs turn on and off as expected.
852323	Updated time-zone data package to prevent a one hour offset between server and controller.
859500	Communications status of Schlage PIM400-485 now displays as online or offline.
860001 / 861151	Resolved an issue where ACMs running firmware 6.9.1 or 6.9.2 would put some OSDP readers offline if a buzzer or LED were not detected on the reader.
868931	Resolved an issue where controllers running firmware 6.9.2 CU01U experienced a high frequency of comm failure lasting 7 seconds.
870081	Master controllers connection is reset when data-out transmission fails.
870087	Resolved an issue where iSTAR Ultra controllers' firmware details are not displayed in the controller list-view after a host-master disconnect and reconnect.
876591	iSTAR panels drop communication sockets later to prevent premature communication failure messages on the host.
878305	Resolved an issue where cookie flags were not set.
879848	Resolved an issue where the active status of FAI relay control input in C•CURE did not match the actual FAI relay control when the FAI latch was not enabled.

**Table 12: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.3 Issues Fixed**

Issue Number	Fix Description
882538	A memory leak which occurs when the controller loses connection to the host has been fixed.
882564	Resolved an issue where ImageManager initialization fails on startup.
883152	Firmware now only accepts password hash values that are 48-characters long to improve security.
884735	iSTAR user lock up mechanism has been improved.
872483	Unnecessary panel configuration information is no longer included in the log files.
872607 / 872687	Various web administration endpoints are no longer accessible without authentication.
872688	Web administration password hashing has been strengthened.
872695	Debugging traces do not disclose sensitive information.
40577	Resolved an issue where iSTAR Ultra G1, Ultra G2, and Edge G2 controllers stopped reporting activity to the C•CURE host and stopped Manual Actions from performing.
37393 / 33906	Resolved an issue where iSTAR panels rejected some I/O modules which do not support LED or buzzer outputs.
35393	Resolved an issue where downloaded unlock events stop working after a comm fail or a controller restart.
34114	iSTAR Ultra controllers in a non-encrypted cluster are displayed as iSTAR Ultra within the C•CURE Dynamic View, as expected.
40701	Resolved an issue where USB ACM boards go offline when iSTAR Ultra controllers are restarted following a network settings change.

## Enhancements

**Table 13: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.3 Enhancements**

Issue Number	Enhancement Description
884493	SD card health monitoring information has been added to iSTAR G1 controllers. This can be viewed through the iSTAR Web Page diagnostics page and can also be viewed in C•CURE logs.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2 CU02

December 2023

## Issues Fixed

**Table 14: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2 CU02 Issues Fixed**

Issue Number	Fix Description
33825	Resolved an issue that caused a memory leak within iSTAR firmware.
33858	An issue that caused iSTAR Ultra GCMs running firmware v6.9.2 CU01 to lockup, requiring a power cycle to bring the controller back online, has been resolved.
36471	ACM board MCUs reconnect successfully after receiving a reboot command from the GCM.
36520	Resolved an issue that caused iSTAR controllers to reboot randomly.
38506	Resolved an issue where valid cards were rejected when database access was rejected.
877505	Resolved an issue that caused iSTARs to download the incorrect version of the High Assurance database.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2 CU01

July 2023

## Issues Fixed

**Table 15: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2 CU01 Issues Fixed**

Issue Number	Fix Description
827909	An Off-Corp provisioning error has been resolved.
843843	An issue with message parsing which caused iSTAR Ultra ACMs to enter temporary Comm Fail has been resolved.
845588	An error which caused communication loss when a member was removed from a master application server has been resolved.
852309	A High Assurance transaction lockup issues has been resolved.
854152	An issue which prevented cluster-based anti-passback rules from performing as expected has been resolved.
854502	An issue which caused iSTAR panels to reset after downloading over 30,000 High Assurance credentials from the Host has been resolved.
856404	An error which caused panels enter a lock up state when attempting to connect to NIC 2 after failing to connect to NIC 1 has been resolved.
856536	iSTAR Ultra and Ultra SE startup clocks are now set to UTC prior to host connection to prevent time offsets for events occurring before host connections.
858685	Dropped connections do not cause the affected iSTAR panels to enter deadlock.
857008	An Off-Corp error generated after using the Standard Provision option on the Remote ACVS tab on the iSTAR Controller Webpage has been resolved.
864431	IP-ACM2 SLAAC mode, NUD ( Network Unreachable Detection ) NSeS ( Neighbor Solicitation packets) should not contain unspecified ( i.e. all 0 ) IP addresses as source addresses, as expected.
861615	LCD driver code, CPU settings for memory, clock and watchdog have been updated to prevent iSTAR Ultra G2 and iSTAR Edge G2 lockup issues.
862221	Unauthorized web access has been disabled.
862681	The gateway field & Connect Ethernet Adapters to Separate Networks options on iSTAR webpages can be viewed and edited, as expected.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2

July 2023

## Issues Fixed

**Table 16: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.2 Issues Fixed**

Issue Number	Fix Description
836260	iSTAR password hash has been strengthened to help prevent unauthorized logins.
836261	The iSTAR web interface has been strengthened to prevent command injection attacks.
833284	An intermittent memory leak in the CommServer causing iSTAR Ultra controllers to reboot unexpectedly has been resolved.
834758	An issue which caused iSTAR Edge G2 NICs to switch from static IP settings to DHCP unexpectedly has been resolved.
835801	AD-400 wireless locks which did not unlock doors after reporting card admits causing communications failure between the reader and panel now operate as expected.
837643	iSTAR Ultra G2, Edge G2, and Ultra G2 SE controllers can successfully obtain a SLAAC IP address when DHCPv6 is disabled, as expected. They will also boots up with SLAAC as default when dipswitch #3 is set to ON.
830253	FQDN connections from iSTAR Ultra G2 controllers to C•CURE hosts operate consistently, as expected.
814763	An issue which caused iSTAR Ultra G2 LCD diagnostic panels to display unexpected random messages and characters has been resolved.
844778	Resolved an issue which prevented successful logins to iSTAR Ultra SE panels that had undergone multiple panel resets.
845210	Innometriks High Assurance panel service updates and records are communicated consistently with iSTAR panels running on firmware v6.9.1.
843854	Resolved an issue where repeat link up and link down caused intermittent loss of connection with the host machine.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.1

December 2022

## Issues Fixed

**Table 17: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.1 Issues Fixed**

Issue Number	Fix Description
819010	Door Status follows the DSM Input Status when panel is created, as expected.
819066	An issue which caused connected AD300 reader/locksets to stop performing unlock events and card reads after a brief communication loss between PIM and iSTAR GCM has been resolved.
811770	The Server Connection Status information on the iSTAR Ultra webpage remains consistent with information on the C•CURE Administration Client, as expected.

# iSTAR Ultra, Ultra LT Firmware Version 6.9.0

November 2022

## Issues Fixed

**Table 18: iSTAR Ultra, Ultra LT Firmware Version 6.9.0 Issues Fixed**

Issue Number	Fix Description
780116	HID readers in OSDP mode with mobile credentials maintain communications when presented with a mobile credential.
792084	An issue which caused time-drift in iSTAR Pro panels when mixed in clusters contain iSTAR Ultra panels has been resolved.
808279	Machine data unit identifier displays correctly in the iSTAR Ultra.
762814	Door shunt timer extends, and resets, as expected.
778030	A login prompt has been added to the UART console.
778045	iSTAR web client security has been improved.
778027	A CSRF (Cross-Site Request Forgery) token has been added to enhance iSTAR panel security.
799236	S300 readers turn Facility Code When Offline feature off when moved from CK721-A to iSTAR panels.
783285	Users can expose network storm threshold values in the controller web page.
784915	iSTAR Ultra Dual NIC functionality performs as expected.
795968	iSTAR Ultra reconnects to the host in a failover environment in an unencrypted cluster, as expected.
770069	Users can save ICU hostnames containing hyphens.
781982	IP-ACM logging has been enhanced.

## Enhancements

**Table 19: iSTAR Ultra, Ultra LT Firmware Version 6.9.0 Enhancements**

Issue Number	Enhancement Description
778027	Add CSRF (Cross-Site Request Forgery) protection to enhance iSTAR Ultra panel security.
778041	Firewalls have been added to iSTAR Ultra and Ultra SE panels.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.0

October 2022

## Issues Fixed

**Table 20: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.9.0 Issues Fixed**

Issue Number	Fix Description
787886	iSTAR Edge G2 reconnects to the server successfully after a DHCP switch restart.
780116	HID readers in OSDP mode with mobile credentials maintain communications when presented with a mobile credential.
808638	Scheduled, downloaded, unlock door Events, reactivate as expected after an iSTAR G2 is reset.
792084	An issue which caused time-drift in iSTAR Pro panels when mixed in clusters contain iSTAR Ultra panels has been resolved.
808279	Machine data unit identifier displays correctly in the iSTAR Ultra and Ultra G2.
762814	Door shunt timer extends, and resets, as expected.
778030	A login prompt has been added to the UART console.
778045	iSTAR web client security has been improved.
778027	A CSRF (Cross-Site Request Forgery) token has been added to enhance iSTAR panel security.
799236	S300 readers turn Facility Code When Offline feature off when moved from CK721-A to iSTAR panels.
783285	Users can expose network storm threshold values in the controller web page.
784915	iSTAR Ultra Dual NIC functionality performs as expected.
795968	iSTAR Ultra reconnects to the host in a failover environment in an unencrypted cluster, as expected.
770069	Users can save ICU hostnames containing hyphens.
781982	IP-ACM logging has been enhanced.
808638	Scheduled and download Unlock Door events reactivate as expected after an iSTAR Ultra G2 reset.
818187	An issue which caused iSTAR Ultra G2 panels to reboot unexpectedly after deleting inputs has been resolved.

# iSTAR Ultra G2 Firmware Version 6.8.9 CU04

November 2022

## Issues Fixed

**Table 21: iSTAR Ultra G2 Firmware Version 6.8.9 CU04 Issued Fixed**

Issue Number	Fix Description
828868	Resolved an issue that caused iSTAR Ultra G2 GCM boards to reboot unexpectedly.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.8.9 CU01

August 2022

## Issues Fixed

**Table 22: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.8.9 CU01 Issues Fixed**

Issue Number	Fix Description
802826	This update adds an option to set an alternate debounce for input error states to help prevent false alarms. This alternate debounce can be applied on each panel in the panel web page or applied system-wide with a C•CURE system variable.
791238	Various security improvements have been implemented.

# iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.8.9

April 2022

## Issues Fixed

**Table 23: iSTAR Ultra, Ultra LT, Ultra G2, Ultra G2 SE, Edge G2 Firmware Version 6.8.9 Issues Fixed**

Issue Number	Fix Description
793455	An issue where the panel stops sending activity to the host port after the network is briefly disconnected is resolved.
795444	The Retrieve CSR button is removed from the Ultra web interface.
794556	Support added for new CompuLab® System-on-Modules (SoMs).