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# **Liebert® IntelliSlot® Webcard**

## **Version 5.300.6\_099117 Firmware**

### **Release Notes**

### **July 29th, 2016**

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This document outlines:

1. Version and Compatibility Information
2. What's New
3. Security Issues Addressed
4. Upgrade Instructions
5. Known Issues

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## **1. Version and Compatibility**

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This release contains the following firmware version:

IS-WEBCARD\_HID9\_5.300.6\_099117

This release is compatible with the following Liebert IntelliSlot communication cards:

IS-WEBCARD (HID9)

NOTE: This release applies to the IS-WEBCARD with Hardware ID 9 (HID9). Recent releases that added features like SNMPv3, IPv6, and GXT4 support require this latest hardware version of the IS-WEBCARD. Older cards where the IS-WEBCARD hardware HID is lower than HID9 cannot support these new features and will require the purchasing of a new card. The hardware ID (HID) is printed on the card faceplate or available for viewing under the Support Tab of the card's webpage.

This release is compatible with the following Liebert equipment:

Liebert GXT™

Liebert GXT4™

Liebert GXT2U™

Liebert Nfinity®

Liebert GXT3™

Liebert PowerSure PSI™ (prior to July 2008)

This release supports the following communication interfaces:

Communication Card	Communication Protocol							
	HTTP/HTTPS*	SNMP v1,v2c,v3	Email	SMS	Telnet	Modbus/BACnet	Emerson Protocol	Remote Service Delivery
IS-WEBCARD	✓	✓	✓	✓	✓	--	--	--

This release supports the following browsers\*:

- Microsoft Internet Explorer® - IE9, IE10, and IE11
- Mozilla Firefox® - ver. 28.0 or later
- Google Chrome™ - ver. 34.0.1847.116 m or later

\*See Section 5 for Note on HTTPS support

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## 2. What's New

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This release contains fixes for the following issues:

Component	Description
Web User Interface	Several security vulnerabilities have been eliminated and verified by an independent audit: <ul style="list-style-type: none"><li>• A "Clickjacking" vulnerability has been eliminated</li><li>• A Cross-Site Forgery vulnerability has been eliminated</li><li>• Additional Cross-Site Scripting vulnerabilities have been eliminated</li><li>• False positive vulnerability scan findings for the Misfortune Cookie have been eliminated</li></ul>
Notifications	In some cases if an SMTP server response was delayed when sending a notification message, the Webcard would send another message and the recipient would receive duplicate alarm notifications. This problem has been corrected.

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## 3. Security Issues Addressed

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The following highly publicized security vulnerabilities have already been addressed in a previous release:

Name	Description
"Poodle"	SSLv3 was Disabled in release 5.300.3
"Ghost"	Not applicable
"ShellShock"	Not applicable
"Misfortune Cookie"	Fixed in release 5.300.3
Cross-Site Scripting	A number of vulnerabilities were eliminated in release 5.300.4 including the prevention of entering angle brackets (for javascripting) while editing data fields through the Web user interface.

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## 4. Update Instructions

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The IS-WEBCARD may be updated to this firmware version using the web-based Firmware Upload feature. Please refer to the Firmware Updates section of the [Liebert IntelliSlot Web Cards Firmware Upgrade Manual \(SL-52625\)](#).

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## 5. Known Issues

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Component	Description
HTTPS	<p>In response to increasing security breaches, newer versions of web browsers are checking for higher levels of encryption and cipher algorithms and libraries when communicating with remote web servers using HTTPS. We now see that some browsers are not allowing secure communication over HTTPS at all unless the web server on the device meets the minimal security level as defined by the browser vendor. Other browsers offer optional settings to allow communications at lower security levels.</p> <p>The IS-WEBCARD may become unreachable after a recent browser update due to an SSL connection failure. These cards do not have the capacity and processing power required for the newer security libraries and algorithms.</p> <p>You may upgrade the IS-WEBCARD with an IS-UNITY-DP card in the GXT3 and GXT4 UPS products. If you choose not to upgrade and your browser does not support an option for connecting at a less secure level, you may have to use another browser that does.</p>