Liebert® IntelliSlot™ Unity Card
Version 6.5.0.0_00018 Firmware
Release Notes
Mar 16th, 2017

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-UNITY_6.5.0.0_00018

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

   IS-UNITY-DP

   IS-UNITY-LIFE

   IS-UNITY-SNMP

This release is compatible with the following power and thermal management equipment:

Alber BDSU-50™	Liebert GXT3™Liebert GXT4™
Liebert APM™	Liebert HPC™
Liebert APS™	Liebert HPC-S,M,R,W,Generic
Liebert CRV™	Liebert HPM™
Liebert CW™*	Liebert NX™ 225-600kVA
Liebert Challenger™*	Liebert NXC™
Liebert Deluxe System/3™*	Liebert NXL™
Liebert DCL™	Liebert NXR™
Liebert DCP™	Liebert PCW™
Liebert DS™*	Liebert PDX™
Liebert DSE™	Liebert PeX™*
Liebert EPM™	Liebert PPC™
Liebert EXC™	Liebert RDC™
Liebert eXL™	Liebert RX™
Liebert EXL S1	Liebert XDC™ with iCOM™ Control
Liebert eXM™	Liebert XDP™ with iCOM™ Control
Liebert FDC™	Liebert XDP-Cray
Liebert FPC™	

*iCOM Firmware PA1.04.033.STD versions or later

This release is compatible with the following sensors:

Liebert SN-2D	Liebert SN-T	Liebert SN-Z02
Liebert SN-3C	Liebert SN-TH	Liebert SN-Z03
Liebert SN-L	Liebert SN-Z01	

This release supports the following features:

Communication Card	LIFE™ Services Support	Sensor Support	Communication Protocol							
			HTTP/ HTTPS	Velocity Protocol	Email	SMS	Third-Party Protocols			
							SNMP v1,v2c,v3	BACnet IP/MSTP	Modbus TCP/RTU	YDN23
IS-UNITY-DP	✓	✓	✓	✓	✓	✓	✓	✓	✓	NXL & PeX Only
IS-UNITY-LIFE	✓	✓	✓	✓	✓	✓	-	-	-	-
IS-UNITY-SNMP	✓		✓	✓	✓	✓	✓	-	-	-

This release supports the following browsers:

- o Microsoft Internet Explorer® - IE9, IE10, IE11, Edge
- o Mozilla Firefox® - ver. 50.0 or later
- o Google Chrome™ - ver. 56.0 or later
- o Safari® (MacBook®) - ver. 6.1.1 and 8.0.5
- o Safari® (iPad®) - ver. 5.1.1 and 7.1

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2. What's New

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This release contains the following enhancements:

- Added support for EXL S1 Large UPS system (EMEA version)

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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
"ShellShock"	Updated *bash* version to fix this in release 4.2
"Poodle"	SSLv3 was disabled in release 5.0
Cross-Scripting	Cross-Scripting entries via the Web user Interface were restricted in release 5.1
"Clickjacking"	Resolved in the 6.2 release.
"Beast" and "Logjam"	The "Beast" and "Logjam" vulnerabilities have been addressed in the 6.3 release.
TLS 1.0 access	TLS 1.0 has been disabled so only newer versions are used. This was addressed in the 6.3 release.

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4. Update Instructions

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The Unity cards 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 Unity Card User Manual (SL-52645).

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5. Known Issues

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Component	Description
Device Settings	When temperature settings are made on some thermal devices, there may be some 'round-off' error of one tenth of a degree between what was requested and what the device shows after the change. This is a known limitation of some thermal device firmware versions and will be corrected in future versions of the device controller firmware.
Liebert GXT3/4 UPS Support	The IP address of the Unity card may be displayed on the local display of the Liebert GXT4 UPS unit. The IP address is pushed to the GXT4 when the card starts up. If the address changes (for example, if it is changed by the DHCP server when the DHCP lease runs out), the local GXT4 display will continue to show the old address until the card is restarted.
	While the SNMP OIDS for the GXT are backward compatible with those from the IS-WEBCARD, the text values in some SNMP varbinds and email/SMS notifications have changed slightly to use the Unity card equivalent.
Sensor Support	The preferred way to change the display order for multiple sensors is through the Web user interface. If the order is changed using one of the supported protocols then the entire list of sensors should be set in the correct order (including slots that should become blank) to ensure all sensors are still included.
SNMP	SNMP *getnext* requests may fail on some tables if there are multiple varbinds in the request. If this occurs, use single-varbind requests.