

Firmware Release Notes 4.13.926

Applicability

This firmware revision is intended for individual eConnect PDU's with an MCM2 or MCM3 controller or eConnect PDU's within a Secure Array, all of which have an MCM2 or MCM3 controller. **Do not use this firmware version if any of the PDU's within the Secure Array has an MCM1 controller.** Below is a guide to identify eConnect PDU controller:

MCM4 controller:

The unit is marked as "eConnect Controller 4"
The unit has two Auxiliary Ports labeled as "AUX1" and "AUX2"
The unit has two USB connectors.

MCM3 controller:

The unit has two Auxiliary Ports labeled as "AUX1" and "AUX2"
The unit has the Ethernet Port labeled as "10/100/1000 MB"
The unit has two USB connectors.

MCM2 controller:

The unit does not have "AUX1" and "AUX2" ports.
The unit has the Ethernet Port labelled as "10/100/1000 MB"
The unit has one USB connector.

MCM1 controller:

The unit does not have "AUX1" and "AUX2" ports.
The unit has the Ethernet Port is labelled as 10/100 MB only.
The unit has one USB connector.

Security Updates:

- Radius and LDAP UI Behavioral changes only.

New Features:

- On Switched & Switched Pro units, when a critical Branch Low voltage thresholds is reached, the LED's of affected outlets will blink

Improvements:

- General Issues:
 - o Changes made to better identify the requesting command interface (WebUI, CLI, SSH or Bulk) in the alert messages being logged.
 - o Added the ability to fetch the system's FW Version via the "bulk/fwupgrade" endpoint.
- CLI Issues:
 - o Added CLI and BULK Interface commands to choose between the use of a 'Custom' Certificate or the Manufacturer default Certificate for HTTP(S) Service.
 - o The CLI User Manual has been updated to reflect changes made to the CLI behavior.
 - o The CLI 'radius-card' Server key changed to match 'radius-srv' command - 'RServ[1|2|3]' is now 'rserv[1|2|3]'.

CPI Firmware Release Notes 4.13.926 (9/07/2022)

United States

Simi Valley, CA
800-834-4969

Canada

Toronto, Ontario, Canada
+905-850-7770
www.chatsworth.com

Europe

Buckinghamshire, UK
+441628524834

Middle East & Africa

Dubai, UAE
+971-4-2602125

Doha, Qatar
+974-4-267422

Latin America

Mexico City
+52-55-5203-7525
Toll Free within Mexico
800-201-7592
chatsworth.com.co

Asia Pacific

Shanghai
+86 21 6880-0266
chatsworth.com.cn



Issues Addressed:

- General Issues:
 - o Addressed an issue with reporting Current thresholds for outlets beyond the first 48.
 - o Fixed a bug that prevented DNS entries from updating on a DHCP restart.
 - o Fixed an issue where the default IP configuration was not invoked when the PDU cannot connect to DHCP.
 - o If Branch Critical Current thresholds are 0, they are now set automatically to 80% of the Breaker Limit (i.e. A 20A breaker would be set to a critical threshold of 16A).
 - o Fixed a bug that prevented the alerts from indicating the user who started a FW Update.
 - o Fixed a bug that could impact FW Updates from a USB stick.
 - o Added subnet mask to the network values that, when changed, will restart the PDU network.
 - o Resolved an issue that resulted in Max Humidity Warnings were sent as a Minimum Humidity Alarm.
 - o Addressed an issue where setting the log "Auto-Transfer" settings were not preserved.
 - o Fixed a bug that resulted in Config changes being logged as Outlet changes.
 - o Addressed a bug where setting "saEasFrontLockEnabled", "saEasRearLockEnabled" or "saEasLockHoldOpenTime", would result in changing "saEasDoorOpenAlarmTime" errantly.
- CLI Issues:
 - o Addressed an issue in the CLI that would allow a user to set an object's name to a non-alphanumeric value.
 - o Addressed an issue in the CLI that prevented changing the LDAP URI Setting.
 - o Addressed CLI issues impacting the ability to run CLI scrips from a USB device.
 - o Addressed a CLI issue. The 'user update <USERNAME> <GROUP> ...' command allows entering a '-' for the <PASS>, <CONFIRMPW> and/or <GROUPLD> to indicate no changes are being made to those.
 - o Addressed an issue where the CLI 'ogroup list' command used different ID indexing than the WebUI.
 - o Fixed a CLI issue that would return an error when creating an outlet group name that was a sub-string of an existing group name.
 - o Fixed a CLI bug that prevented clearing the LDAP URI or Domain when specifying "" as an .
 - o Resolved a CLI "config-set" bug where the "occurrence" parameter would not account for the "0(All)" selection.
 - o Fixed a CLI bug that returned the wrong values when checking the 'Trap', 'Log' and 'email' enables.
 - o Addressed an issue that allowed the CLI to create a new user with a username < 4 characters long.
 - o Addressed an issue where the MCM ID, as reported by the CLI 'support' command, was incorrect.
 - o Fixed a bug in the CLI that left 'radius-server', 'radius-card' or 'ldap-user' configs enabled after a failed credential test. Now reverts to disabled.
 - o Addressed an issue in the CLI where a 'False Positive' was returned when testing user access to Radius, Radius Card or LDAP.

Known Limitations:

- Emails and Traps for secondary alarms may contain metrics data that is up to a minute out-of-date.
- The Console 2 Port (Micro-USB) is currently not supported. Support will be added in a future release.
- CLI:
 - o Changing a User's group affiliation does not trigger a "userModifiedAlert" Trap.
 - o The 'firmware' command may report incorrect result information.
 - o The 'config-set outlet-groups name <outletID> <PduID> <outletName>' command is not logged by the system.
 - o The 'ogroup' command lacks the ability to make changes to an existing Outlet Group.
 - o In a SecureArray configuration, the 'attach' command is non-functional.
 - o A failed 'ldap-user test' command does not maintain the previous settings, reverting back to the default instead.

Known Limitations:

- SNMP:
 - o Display Brightness values outside of a valid range, are errantly sent to the system.
 - o The 'smtpauthmethod' configuration OID is not available.
 - o The 'Legacy' description for Power Factor, while accurate, does not match the method of other metrics, such as Temp and Humidity.
- BulkAPI:
 - o There is no 'trapInfoUserName' when a User is added via the BulkAPI.
 - o A temperature of -1 (realistic value) is reported when no temperature probe is attached.
- WebUI:
 - o There is currently no feedback (i.e. logged data) when a User is cloned.

Upgrade Procedure:

- Obtain the firmware .zip file from <http://www.chatsworth.com/support-and-downloads/downloads/software/>
- Unzip the contents of the file pn-cpi-924-30531-001-20220907-svn22250.zip to a USB flash drive. There is one file which must be transferred to the root directory: cpipack3-20220907-svn22250.bin.
- Plug the USB flash Drive into the USB port on the PDU and use the LCD menu to perform the firmware upgrade.
 - o Confirm the new firmware version after the PDU reboots is 4.13.926

