PANDUIT® infrastructure for a connected world

smartzone™

Generation 3 Gateway Firmware Release Notes 2.08.02

Contents

General

2.08.02 is a release of the Gen 3 Gateway firmware. This release corrects some minor issues.

Supported Hardware

Model	Required Firmware to support Release	Notes
EPA126 (Eagle-i)	Boot loader v1.11.12 and above Application v2.07.03 and above	
EPA064 (Hawk-i3)	Boot loader v1.11.12 and above Application v2.07.03 and above	Not Tested
EP042 / 8MB (RacKMS)	Not supported	Not Tested
EP042 / 16MB	Boot loader v1.11.12 and above Application v2.07.03 and above	Serial Numbers ≥ 12109
E24	Supported	Not Tested
RMS-Cii	Bootloader 1.10.19 and above	Not Tested

Units with bootloader or applications prior to the revisions specified above should follow the upgrade process for the specified minimum revision prior to attempting to upgrade to this release.

Upgrades are only supported from 2.07.03 and later. If your Gateway is running an older version of the application code, then an upgrade to 2.07.03 is required first.

When upgrading to 2.07.03, if the Gateway is already running v2.x Application code correctly, then the revision of boot code is sufficient and an upgrade to this release does not require a boot code update. But if upgrading from Application v1.x to v2.07.03, then the boot code revision must be verified and updated if required prior to upgrading the Application code. Failure to update the boot code could cause the gateway to not operate correctly.

Tested Product Compatibility

Product	Support	Known Limitations
SmartZone	V9.5.0	Not Tested
DCiQv2.1	Not Supported	Not tested
DCiQv2.5	Not Supported	Not Tested
DCiQv3	Not Supported	Not Tested
BCU	v2.2.5	Not Tested
Gen3 Config Tool	v1.02.18	Not Tested
UTLTFTPClient	v1.02.07	Tested
G5 PDU	v3.15	Tested

Refer to the individual application release notes for other release compatibility information.

Released Production Files

Product Upgrade

Application Image Information
```
Filename: Gen3_flash_2.08.02.bin
Filesize:4194304
CRC32: 519BD1CA
SHA256:910702bc4a0170872eecb32ccb755024a0df3e2cf71f6dde9dba4310cd2a4325
SHA512:49a25270fd255389896033f808b4512782ad67fb53cb5e2dcf775dbde2a04339d07276
e467f0064e73659cf4504239e4fdd79445bd0bb2da34d62143af2757d6
BuildTime       Mar 26 2021 05:25:16
BuildBuilder    MIK
BuildHost       CRD-MIK-P50
BuildInfo       master:e768b0853d35734330dc2c22f7e9805502dc39c7
```

New Features

New Features added in version 2.08.02

No new features added in 2.08.02

New Features added in version 2.08.01

Issue ID	Title
G3-478	California SB-327: Security of Connected Devices. Require first-time login password change
G3-790	G5 Bridge

G3-790   The Gateway now supports monitoring G5 PDUs.

G5 PDUs are connected to the gateway ports 1-6 using an adaptor cable (MA024) on the serial port of the PDU. These PDUs should be in a factory reset configuration prior to connecting to the Gateway. The Gateway will update the password on the PDU and extinguish the status LED. All management should then be handled via the Gateway. The network cable should not be connected to the PDU when running in this configuration.

A new version of the coniston.mib file is available to support the G5 PDUs.

New Features added in version 2.07.04

Issue ID	Title
G3-472	Add Mk1 PDU support to 2.x.x Gateway

Resolved Issues

Issues resolved by version 2.08.02

Issue ID	Title
G3-808	Gen3 gateway will not take 10.10.10.10 as an NTP server
G3-809	Unconnected GPSENSE on IDM1 shows type as Contact even though nothing is present
G3-813	Card readers attached directly to gateway not via IDM do not work

G3-813   Card readers attached to directly to gateway not via an Intelligent Door Module (IDM) may not work

Some configurations use card readers directly attached to the gateway. These readers were not able to authenticate users in 2.08.01. This issue does not affect card readers that are attached to the gateway through an IDM (Part number ZAIDM-01).

Issues resolved by version 2.08.00

Issue ID	Title
G3-459	PDU Outlet Cycle passwords shorter than 16 characters do not work
G3-786	DIGI/TRECK TCP/IP Critical Vulnerability (Ripple20)
G3-813	Card readers attached directly to gateway not via IDM do not work

Issues resolved by version 2.07.08

Issue ID	Title
G3-464	SNMP entries for outlets are not always created

G3-464   If a PDUs are not attached to a gateway sequentially, it is possible that the SNMP entries for outlets may not be created. For example, if a Per Outlet Monitoring PDU is enabled in slot 4 and no other PDUs are enabled, the outlets do not appear in SNMP. If the per outlet monitoring PDUs are enabled also in slots 1-3, then the outlets do appear in SNMP for all four PDUs. This is fixed so that sparse installation of PDUs is no longer an issue.

Issues resolved by version 2.07.07

Issue ID	Title
G3-503	EPA064 getting lost_comms to inline meters after upgrade
G3-780	EPA126 webpage unresponsive after upgrade

G3-503   EPA064 getting lost_comms to inline meters after upgrade

Some inline meters are not upgradable to the latest gateway firmware. Updating these meters to the latest release 7.2.1 is preferred. If meters are not upgradable, the following versions of inline meter firmware are now supported:
1.2.3
1.2.6
1.3.1 should be supported, but hardware was not available to verify.

G3-780   EPA126 webpage unresponsive after upgrade

The gateway has insufficient ram to operate properly if the system is using some older revisions of boot code.

The gateway boot code should be verified and upgraded if necessary, prior to upgrading the gateway firmware. If a customer attempts to upgrade a gateway to v2.07.06 or later using an unsupported version of boot code, the gateway will attempt to detect the condition and put the gateway in a state to rectify the situation. This is not guaranteed.

If the condition is detected, the status and alarm LEDs will flash in a railroad pattern. The gateway will respond to pings and will allow a boot code upgrade via TFTP. The web interface will not be enabled.

Issues resolved by version 2.07.05

Issue ID	Title
G3-299	Outputs with inverted inputs cannot be configured or discovered via SNMP
G3-474	Gateway reports incorrect Outlet Amp values
G3-480	Occasional odd temperature readings
G3-492	Invalid Door entry traps from EPA126

Outstanding Issues

New Issues
No new issues were found in this release.

Existing Issues
The following reported problems were found prior to the previous release and are still outstanding.

Old Issue ID	New Issue ID	Title	Version	Status
Bgz25010	G3-44	IP Stack Selection works only in "Dual" mode	2.02.03	WONTFIX
Bgz25063	G3-53	Email messages are always sent following the trap regardless of the configured repeat interval	2.02.03	WONTFIX
Bgz25196	G3-83	Two Save Buttons in Power - Configure - Power Strip Outlets	2.02.06	WONTFIX
Bgz25428	G3-100	Gateway not responding - stops in bootloader application update mode	2.02.07	WONTFIX
Bgz25479	G3-139	Cannot add outlets from PDU 7-24 to a gang from the web UI	2.02.01	WONTFIX
Bgz25520	G3-178	SNMPv1 is not supported	2.02.16	WONTFIX
Bgz25535	G3-192	Logged Out OF Web UI Prematurely	2.04.02	WONTFIX
Bgz25539	G3-196	Cannot cycle through all sensor channels on LCD Display attached to IDM	2.04.02	WONTFIX
Bgz25569	G3-222	PDU Outlets show as orange on 1 of 2 PDUs	2.04.04	WONTFIX
Bgz25720	G3-245	0.0.0.0 in database for a couple fields	2.05.05	WONTFIX
	G3-289	View button for PDU outlets on the PDU status page is not always shown for MPO/MSPO PDUs	2.06.06	DEFER
	G3-300	Certificate upload fails "unexpected file system error"	2.06.06	CANNOT REPRODUCE
	G3-389	ACU Timeouts do not function correctly	2.06.06	DEFER
	G3-392	Power / Control page sometimes redraws incorrectly when multiple clients access the page simultaneously	2.06.06	DEFER
	G3-449	Cannot write to pduOutCycle	2.07.02	DEFER

Old Issue ID	New Issue ID	Title	Version	Status
	G3-458	pdusMinMaxPeriod is not writeable via SNMP	2.07.03	DEFER
	G3-462	SNMP sets to clampWriteParams can lock out all SNMP communications	2.07.03	WONTFIX
	G3-475	Reboot required when swapping Mk1 PDU with CL-Amp	2.07.04	WONTFIX

G3-44   IP Stack Selection works only in "Dual" mode

IPv6 is still enabled when IP stack selection is set to IPv4 only. There is no way to disable IPv6 mode.

Workaround: None.

G3-53   Email messages are always sent following the trap regardless of the configured repeat interval

Email message are sent immediately if trap type is Informational

Workaround: For aggregation of alarms per email set trap type to Critical or Warning.

G3-83   Two Save Buttons in Power – Configure – Power Strip Outlets

One button saves the per outlet settings, the second save button has no effect on the outlets configuration

Workaround: Use the appropriate save button based on the configuration being changed.

G3-100   Gateway not responding - stops in bootloader application update mode

Unit was interrupted during a firmware image update.

Workaround: Do not interrupt the unit during a firmware image update.

G3-139   Cannot add outlets from PDU 7-24 to a gang from the web UI

PDU Outlet gangs can only be defined for PDUs attached to the Main Gateway. Outlets on PDUs attached to EX18 Expansion units are not supported.

Workaround: None.

G3-178   SNMPv1 is not supported

Starting with version 2.02.16, SNMPv1 is not supported on the Gateway.

Workaround: Use of SNMPv2 or SNMPv3 is supported and preferred.

G3-192   Logged Out OF Web UI Prematurely

While configuring contact sensors via the web user was logged out before session timeout time expired. This is unreproducible.

Workaround: Log back in and continue unit configuration. When navigating web pages on the gateway, wait for pages to load before navigating to a new page.

G3-196   Cannot cycle through all sensor channels on LCD Display attached to IDM

The IDM LCD shows the gateway sensor channels plus that IDM's channels, but not a second IDM's sensors.

Workaround: Use LCD on gateway or web UI to see all sensors.

G3-222   PDU Outlets show as orange on 1 of 2 PDUs

In rare cases when switching an outlet, the outlet icon stays orange (unknown state) even though the outlet has indeed turned off.

*Workaround:*None

G3-245   0.0.0.0 in database for a couple fields

0.0.0.0 can appear as a IP address in some Web UI fields preventing the user from updating the configuration on those pages.

Workaround: Delete or blank out the 0.0.0.0 address

G3-289   View button for PDU outlets on the PDU status page is not always shown for MPO/MSPO PDUs

View button for PDU outlets on the PDU status page is not always shown for MPO/MSPO PDUs.

Workaround: Refresh the browser and the button should return.

G3-299   Outputs with inverted inputs cannot be configured or discovered via SNMP

The inverted inputs in the output control cannot be configured or discovered via SNMP.

Workaround: If the invert logic is being used, you must use the WebUI to configure and manage.

G3-300   Certificate upload fails "unexpected file system error."

When uploading a HTTPS certificate, the upload fails with "unexpected files system error" or "Failed to open certificiate file!" This issues was not able to be reproduced.

Workaround: none

G3-389   ACU Timeouts do not function correctly.

The configurable ACU timeout as not used. All the values are hard coded to 1 second.

Workaround: none

G3-392   Power / Control page sometimes redraws incorrectly when multiple clients access the page simultaneously

When multiple users are logged onto the system, the PDU Power/Control page can be drawn incorrectly.

Workaround: Refresh the page to see it drawn correctly.

G3-449   Cannot write to pduOutCycle.

The pduOutCycle OID object is read only in the gateway, but marked read-write in the MIB definition.

Workaround: Update this value in the WebUI.

G3-458   pdusMinMaxPeriod is not writeable via SNMP

The variable pdusMinMaxPeriod appears in the coniston.mib file as "writeable", however it is read-only.

Workaround: Use the web UI to make your changes.

G3-462   SNMP set to clampWriteParams can lock out all communications

Editing the CL-Amp parameters through SNMP, can lock out all communications to the gateway.

Workaround: Edit CL-Amp parameters through the WebUI. If the communication to the gateway is locked up, the gateway must be reset.

G3-475   Reboot required when swapping Mk1 PDU with CL-Amp

If a Mk1 PDU and CL-Amp are swapped on the fly, the gateway will not be able to detect the change during normal operation.

Workaround: If a Mk1 PDU and CL-Amp are swapped, the gateway must be rebooted for proper discovery and identification of the device.

Document History

Revision	Date	Reason for Change
1	May 3, 2022	Initial Version