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smartzone™

Generation 3 Gateway Firmware Release Notes 2.06.06

Contents

General

2.06.06 is a CANDIDATE GENERAL RELEASE of the Gen 3 Gateway firmware.

Other issues were resolved to support security enhancements to the web server and to address other defects since the 2.04.04 release.

Supported Hardware

Model	Required Firmware to support Release	Notes
EPA126 (Eagle-i)	Boot loader v1.04.xx and above Application v1.04.xx and above	
EPA064 (Hawk-i3)	Boot loader v1.11.12 and above Application v1.11.13 and above	
EP042 / 8MB (RacKMS)	Not supported	Not Tested
EP042 / 16MB	Boot loader v1.11.12 and above Application v1.11.13 and above	
E24	Supported	
RMS-Cii	Bootloader 1.10.19 and above	

Units with 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.

Tested Application Compatibility

Application	Support	Known Limitations
SmartZone	v7.1.4	Limited release with branch Circuit metering support
DCiQv2.1	Not Supported	Not tested
DCiQv2.5	Not Supported	Not Tested
DCiQv3	Not Supported	Not Tested
BCU	v2.2.4	
Gen3 Config Tool	v1.02.18	
UTLTFTPClient	v1.02.07	

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

Released Production Files

Product Upgrade

Image Information

```
Filename: Gen3_app_2.06.06.bin
Filesize: 2013672 bytes
CRC32: 478EBE2B
SHA256: 7fa47b0b02f9b27b343589b906f071214d3b00929ccea8f93b8279b4ab47ae6b
SHA512:
01cf6741673504518a70a6a32b83f77777eda19b74456edd5615634ab1ad036dd1a8b935918e3
2429873e9c4d15e80c8456ed5bf6980c7f61d33ad7a0d986d2c
```

New Features

New Features added in version 2.06.06

Bug fixes only

New Features added in version 2.04.04

Issue ID	Title
Bgz25556	Gateway is to re-write IDM defaults.

Bgz25556　Whenever a gateway detects an Intelligent Door Module (IDM) unit is connected to the gateway, the gateway will configure the default parameters and store them in the IDM unit.

New Features added in version 2.04.03

Issue ID	Title
Bgz25526 Bgz25527	Display Platform memory size & detected memory size.
Bgz25075	Support for EP042, EPA064, EPA126 Memory sizes

Bgz25526,Bgz25527 The main web user interface status page has been updated to show the size of DRAM being used by the running firmware and the size of memory that the unit physically has installed on its PCB. (Physical memory is determined from the serial number of the gateway.)

Bgz25075　The memory initialization for the EPA064/Hawk-i3 detects if the memory size is set to 8MB and if so will correct the value to 16MB. (This will only occur on EPA064 gateways running an old bootloader (Prior to v1.10.12 bootloader).

New Features added in version 2.04.02

Issue ID	Title
Bgz25462	Branch circuit Metering support
Bgz25527	Need to display EPA126/064/042/24/RMS-Cii Platform memory size for field support.
Bgz25144	Enable the WEB UI portion of the PKI certificate import support.

Bgz25462   Branch circuit Metering support. Provides summary current measurements on a branch circuit basis. This is supported by both the WebUI and SNMP queries and traps.

Bgz25527   Memory Size is now displayed in the Hardware Revision line on the Overview page on the web.

Bgz25144   PKI certificate import now supported. This feature was added by version 2.02.12, but not presented at the WEB UI at until version 2.04.02.

Resolved Issues

Issues resolved by version 2.06.06

Issue ID	Title
Bgz25463	Event Log Next/Prev buttons are not operational
Bgz25515	HPEWebInspect security scan issues against 2.02.11 firmware
Bgz25565	COMMS_LOST messages from EPA126 with expansion unit using 2.04.04 firmware
Bgz25570	Reset to defaults incorrectly sets up power device names
Bgz25572	System reverts to default IP address when gateway not on same subnet and in DHCP mode
Bgz25573	Gateway provisioning outlet state on MPO PDU
Bgz25575	Calibration data is still getting lost
Bgz25580	SAP - SmartZone gateway security issues: CVE-2013-6786 CVE-2014-9222 CVE-2014-9223
Bgz25641	INC0228944 -Spurious temp alarms from IDM connected temp sensors plus multiple CLEARED traps
Bgz25705	Extra traps for arming contact sensor
Bgz25706	Edge trigger on contact switch triggers on wrong edge
Bgz25718	trapCode in coniston.mib does not match
Bgz25738	Random messages to IDMs are corrupted
Bgz25759	Improper timeout checks can cause operational defects after 492 days of uptime (timer wraparound)
Bgz25828	IDM version info shows garbage characters
Bgz25834	Spurious temp alarms from IDM connected temp sensors
Bgz25880	Actual number of monitored outlets displayed in SNMP after discovery with PDU set as MO.

Issues resolved by version 2.04.05

Issue ID	Title
Bgz25524	Gateways become unresponsive overnight, show solid Green CPU when Clamps are utilized.

Issues resolved by version 2.04.04

Issue ID	Title
Bgz25559	No skin after firmware upgrade
Bgz25560	SNMP get last badge code not working when RAS is enabled.

Issues resolved by version 2.04.03

Issue ID	Title
Bgz25531	Extra messages in the event log
Bgz25298	Timeout comparison bugs at timer wraparound in ACU code
Bgz25536	Fix pedantic warnings that will affect future code porting efforts

Issue ID	Title
Bgz25439	Gateway is not sending out correct SSL certificates
Bgz25440	aculastCode is not being set

Issues resolved by version 2.04.02

Issue ID	Title
Bgz25011	Hidden Web Page - Fail message when same port is selected twice
Bgz25072	Java Script Error in Hidden Web Page Config/Utility.html
Bgz25180	Missing some gangs during walk of pduGangEntry table

Additional Notes

Bgz25011   This issue is with the Mk2 PDU firmware and not the gateway firmware. If this problem is observed, Mk2 PDU firmware should be upgraded.

Bgz25572   System reverts to default IP address when gateway not on same subnet and in DHCP mode

An incorrect netmask or gateway or static IPv4 address would result in the default static IPv4 configuration (192.168.0.253, etc.) being used instead of DHCPv4. When in DHCPv4 mode, the system will now ignore the static IPv4 validity checks at boot and will operate in DHCP mode.

To prevent this situation, If the user enters an invalid static IPv4 config in the web UI, the same validation checks that would be performed at system startup are performed and the configuration request will be ignored if the validation checks fail.

Outstanding Issues

New Issues

The following reported problems have been found since the previous release and are still outstanding in this release.

Issue ID	Title	Version	Status
Bgz25890	Cold start trap not sent	2.02.01	DEFER
Bgz25871	PDU inaccessible due to race condition in gateway	2.04.04	INWORK
Bgz25720	0.0.0.0 can appear as a IP address in some Web UI fields. Workaround: Delete or blank out the 0.0.0.0 address	2.05.05	DEFER
Bgz25569	PDU Outlets show as orange on 1 of 2 PDUs	2.04.04	DEFER
Bgz25565	COMMS_LOST messages from EPA126 with expansion unit using 2.04.04 firmware	2.04.04	INWORK
Bgz25539	Cannot cycle through all sensor channels on LCD Display attached to IDM	2.04.02	WONTFIX
Bgz25520	SNMPv1 is not supported	2.02.16	DEFER
Bgz25479	Cannot add outlets from PDU 7-24 to a gang from the web UI	2.02.01	WONTFIX
Bgz25063	Email messages are always sent following the trap regardless of the configured repeat interval	2.02.03	WONTFIX

Bgz25890   The SNMP trap indicating a cold start of the gateway is not enunciated. This had been working in v1.11.11

Workaround: None

Bgz25871   Occasionally upon insertion of a PDU, the gateway gets in a state where it does not attempt to communicate to the PDU. It stays in this state and does not recover until the Gateway is rebooted.

Workaround: If a PDU is attached and the gateway fails to recognize the PDU, restart the gateway to resume communication.

Bgz25720   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

Bgz25569   In rare cases when switching an outlet, the outlet icon stays orange (unknown state) even though the outlet has indeed turned off.

*Workaround:*None

Bgz25565   Occasionally messages between a Gateway and a PDU on an expansion unit are lost and a COMMS LOST notification is enunciated. Communication between the Gateway and the PDU recovers immediately.

Workaround: None.

Bgz25539   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.

Bgz25479   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.

Bgz25520   Starting with version 2.02.16, SNMPv1 is not supported on the Gateway.

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

Bgz25063   Email message are sent immediately if trap type is Informational

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

Existing Issues

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

Issue ID	Title	Version	Status
Bgz25010	IP Stack Selection works only in "Dual" mode	2.02.03	WONTFIX
Bgz25196	Two Save Buttons in Power - Configure - Power Strip Outlets	2.02.06	WONTFIX
Bgz25428	Gateway not responding - stops in bootloader application update mode	2.02.07	DEFER

Issue ID	Title	Version	Status
Bgz25535	Logged Out OF Web UI Prematurely	2.04.02	ASSIGNED

Bgz25010   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.

Bgz25196   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.

Bgz25428   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.

Bgz25535   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.

Document History

Revision	Date	Reason for Change
1	Nov. 21, 2017	Initial Version
2	Nov. 22, 2017	Update known issues