

## Release Notes for Raritan PX Firmware Version 3.1.0

Version: PX2 3.1.0 Build 42165 Release Notes, Version 3

Date: April 29, 2015

**Effective:** Immediately.

### Applicability:

This firmware release is for General Availability (“GA”) on all existing Raritan PXE, PX2-, PX3-, PX3TS, BCM-24xx, and EMX2 models. Use the User Guide for PX3.1.0. **Release 3.1.0 contains all enhancements and fixes which are listed below.**

Some custom engineered models are not supported by this release. Please check the **Not Supported in This Release** and the **Release compatibility information** sections below. Or, contact Raritan Support if you are unsure of the model number of your unit; it is typically viewable from the GUI *Device Information* page, and is printed on a label on the side of the PDU.

**Please do NOT upgrade ANY other Raritan PX model(s) to PX 3.1.0 because the unit may have been built after this release entered System Test, and it may result in the unit becoming non-functional.**

**Please do NOT downgrade your new PX2/PX3 firmware based models to any prior release, as these models may not be supported in previous firmware versions.**

**Caution: Only Power IQ releases 4.2 and higher are compatible with PX3.1.0.**

**Due to significant internal enhancements in PX 3.1.0, you cannot downgrade from Release 3.1.0 build 42165 to ANY prior release. Please contact Raritan Support with any questions.**

**Release Status:** General Availability (GA) - see **Release compatibility information** section below.

### Release 3.1.0 contains all enhancements and fixes which are listed below:

- 1) NFR - PX2-2523 - Disable or rename 'admin' account [50266]
- 2) CLI Support for the Server Reachability feature [50718]
- 3) Switching of outlets from the front panel configurable from USB stick [56102]

- 4) Bulk config on USB drive [56399]
- 5) Implement total power and energy sensors for 3K models [56852]
- 6) Display IPv6 information on Dot Matrix display [57122]
- 7) Support Event Logging with modern Syslog protocol (RFC 5424) over UDP/TCP/TLS [57171]
- 8) DHCP/TFTP provisioning [57218]
- 9) Display absolute humidity value for humidity sensors [57269]
- 10) Implement Wifi access with USB Single-IP Cascading (Port forwarding) [57698]
- 11) [iOS] implement network diagnostic in mobile app [58088]
- 12) TLS Server Certificate verification for wireless (EAP-PEAP) [58758]
- 13) Implement AMS-M3-Z 3 contact asset strip [58951]
- 14) Implement mobile web GUI for EMX [59515]
- 15) FAQ: FREAK (Factoring attack on RSA-EXPORT Key) Attack Vulnerability [60343]
- 16) EMX defective: Test SMTP Settings failed (Bare LFs in SMTP) [59777]
- 17) Script to help customer change time settings on (400+ ) PDUs [59069]
- 18) Wrong timezone data for Moscow (and other Russian zones) [59021]
- 19) NFR - Issue with configuring an email message from a Raritan PDU - PX2-5660 [58109]
- 20) Customer require SSL encryption ( same as on PWIQ ) in his SMTP server settings ( Port 465) [57172]

**Caution: Only Power IQ releases 4.2 and higher are compatible with PX3.1.0.**

Support for new or revised models; see [Release compatibility information](#) section below.

Consult the PX3.1.0 User Guide for more information on these firmware features: <http://www.raritan.com/support/dominion-px2/>

### **Raritan PX Documentation:**

The online User Guide for PX 3.1.0 should be used with this release. [A PDF version is available only upon request from Raritan Support.](#) The SNMP MIBs-PDU, Asset Management Sensor (AMS) - are retrievable from the unit itself. An updated USB serial driver (v2.0) is posted on the Raritan website under *Support-Other Files* (scroll down to see the *Other Files*):  
<http://www.raritan.com/support/dominion-px2/>

### **Not Supported with PX 3.1.0:**

**Except for some recent Engineered to Order (ETO) models, all units/models that can run PX2 firmware can be upgraded to this release. If you are unsure that your model is supported by this firmware, please contact Raritan Support.**

The following custom models, all without a display, are NOT supported in this release. These will be supported in an upcoming release PX2-3.0.30.

- PX3-4039V-E2

**Caution: Only Power IQ releases 4.2 and higher are compatible with PX3.1.0.**

### **Upgrade Matrix (path for upgrades):**

This release is intended for factory shipments firmware upgrades on all of the following series/models: PXE, PX2-, PX3-, PX3TS, BCM-24xx, and EMX2.

### **Release compatibility information:**

Support for some new models, or hardware revisions to existing models, has been added.

The following custom models, all without a display, are NOT supported in this release. These will be supported in an upcoming release PX2-3.0.30.

- PX3-4039V-E2

### **Important Notes and Information:**

Enable JavaScript in your browser before logging into the unit to start the upgrade process.

### Known Issues with this Release:

**Caution: Only Power IQ releases 4.2 and higher are compatible with PX3.1.0.**

- 1) Internal error shows up after loading ssl certificate [60569]

### Release Package Details:

The Release 3.1.0 package has the following components. It is a GA (General Availability) release, and will be posted on the Raritan website.

Some releases (“LA”, for limited availability, meaning not tested on all products like GA releases) are **not** posted on the website, and are intended for specific old or new models only. If posted, the binary file is zipped and must be unzipped before it can be installed on the Raritan unit:

Please note that the firmware file for the EMX2 model is different than the PXE, PX2-, PX3-, PX3TS, and BCM-24xx models.

Release 3.1.0 Package components for EMX2:

- “PX2ReleaseNotes3\_1\_0v3” (this file)
- A firmware release (binary): emx-ecx-030100-42165.bin

Release 3.1.0 Package components for PXE, PX2-, PX3-, PX3TS, BCM-24xx:

- “PX2ReleaseNotes3\_1\_0v3” (this file)
- A firmware release (binary): pdu-px2-030100-42165.bin

### Firmware Upgrade Pre-requisites:

Please read the entire instructions (this document) before proceeding.

If you have any questions, or cannot follow the instructions in the User Guide, please STOP and contact Raritan Technical Support for further instructions.

**General Upgrade Instructions** (standalone upgrade from the browser based user interface): Follow instructions in the User Guide.

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