

Release Notes for Raritan Xerus™ Firmware Version 3.5.0

Version: 3.5.0 Build 45371 Release Notes, Version 3

Date: Jan 22, 2019

Effective: Immediately

Applicability:

This firmware release is for General Availability (“GA”) on all existing Raritan PXE, PX2, PX3, PXC PX3TS, BCM2, EMX2 and Legrand Switched/Metered models

Release 3.5.0 General Guidelines:

The User Guides for Xerus™ Release 3.5.0 contains all enhancements and fixes which are listed [below](#).

Some custom engineered models will not be supported by this release. Please check the **Not Supported in This Release** section [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 Xerus™ 3.5.0 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 Xerus™ firmware based models to any prior release. Due to significant internal enhancements in Release 3.5.0, downgrade from Release 3.5.0 build 45371 to ANY prior release is NOT SUPPORTED. Please contact Raritan Support with any questions.

Caution: The release was tested with PIQ release 6.2.1. Only Power IQ releases 6.0 and higher are supported with Release 3.5.0.

Release Status: General Availability (GA)

Release 3.5.0 contains all enhancements and fixes which are listed below:

New Products Supported:

Raritan SmartSensor Products (DX2)

Legrand Metered & Switched PDU

Raritan PXC PDU [71176]

Southco H3 dual frequency electronic door handle: H3-EM-62-100 [69548]

EMKA Agent-E low frequency electronic door handle: 3000-U901-31 [69980]

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New Features:

Multi Language Web GUI - German [70813]
Graceful shutdown [70266]
Outlet grouping – Single PDU [67662]
Hardware diagnostics & alerting [45569]
Plaintext config file support [50781]
Controller eFuse reset [67946]
Silencing of beeper – Local display/interface [68919]
Support of Python 3 with JSON-RPC API [70752]
USB configuration – One log file per unit [68331]
USB configuration – Password lists [68329]

Security Fixes & Updates:

TLS 1.3 support [66271]
USB-A port disable / lock down [67992]
Perfect Forward Secrecy (PFS) [61060]
SegmentSmack Linux Kernel DoS: CVE-2018-5390 [70327]
FragmentSmack Linux Kernel DoS: CVE-2018-5391 [70405]
Net-SNMP DoS: CVE-2015-5621, CVE-2018-18066 & CVE-2018-18065 [71354]

Consult the PX 3.5.0 User Guides for more information on these firmware features:

<https://www.raritan.com/support>

Not Supported with PX Release 3.5.0:

Except for some recent Engineered to Order (ETO) models, all units/models that can run Xerus™ firmware can be upgraded to this release.

Power IQ & New Hardware Support:

- DX2-DH2C2 is compatible with Power IQ release 6.1.2 and later

Unsupported Accessory Configurations:

- AMS-M2-Z Hot Plugging – These asset management accessories cannot be hot plugged and doing so may result in a controller re-boot or the need to re-boot (power down) the entire PDU.
- EMX2 products with DX2 sensors – New Gen3 “SmartSensors” are not currently supported with EMX2 and using a combination of EMX2 and DX2 sensors is not recommended at this time due to compatibility issues.

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If you are unsure that your model is supported by this firmware, please contact Raritan Support.

Americas: tech@raritan.com

Europe: tech.europe@raritan.com

Asia Pacific: support.apac@raritan.com

Upgrade Matrix (path for upgrades):

This release is intended for factory shipments and firmware upgrades on all of the following series/models: PXE, PX2, PX3, PXC, PX3TS, BCM2, EMX2 and Legrand Switched/Metered models.

Please Note:

Due to file system changes in release 3.5.0, any updates from a firmware version older than 3.3.0 to 3.5.0 or newer will require an intermediate firmware update to 3.3.x or 3.4.x

Historical firmware version downloads may be found on our support site referenced below. Please contact tech support with any further questions about upgrading PX firmware.

Raritan PX Downloads

The following supplemental files can be downloaded via the Raritan support site

<https://www.raritan.com/support> (please select the correct product):

- FW Releases and Release notes
- Product documentation and user guides
- SNMP MIBs
- Related tools and drivers
- JSON-RPC SDK

Release Package Details:

The Xerus™ Release 3.5.0 package has the following components. It is a GA (General Availability) release and will be posted on the Raritan website. **Please note that the firmware file for the EMX2 model is different than the PXE, PX2, PX3, PX3TS and BCM2 models.**

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Release 3.5.0 Package components for PXE, PX2, PX3, PXC PX3TS, BCM2 and Legrand Switched/Metered models:

- “XerusReleaseNotes3_5_0v3” (this file)
- A firmware release (binary): pdu-px2-030500-45371.bin

Release 3.5.0 Package Components for EMX2:

- XerusReleaseNotes3_5_0v3” (this file)
- A firmware release (binary): emx-ecx-030500-45371.bin

General Upgrade Instructions (standalone upgrade from the browser-based user interface):

- Enable JavaScript in your browser before logging into the unit to start the upgrade process.
- Follow instructions in the User Guide. Please read the entire upgrade instructions before starting an upgrade.
- The upgrade procedure may change depending on network configuration (cascading).
- **If you have any questions, or cannot follow the instructions in the User Guide, please STOP and contact Raritan Technical Support for further instructions.**

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