

Release Notes for Raritan Xerus™ Firmware Version 3.6.0

Date: March 10, 2020

Version: Xerus Firmware 3.6.0 / Build 46486 / Release Notes, Version 5

Release Overview

Xerus 3.6.0 is a **Major Release** for all Xerus based products. It includes performance and productivity improvements, new features, and fixes.

Applicability

Release Status: General Availability (GA) for all current generations of Xerus based products

This firmware release is applicable to the following:

Product	Applicable Brand / Model
PDU	Raritan: PXE, PX2, PX3, PXC, PXO, PX3TS Legrand: Switched and Metered Models
Rack Controller	Raritan: EMX2, SRC
Branch Circuit Monitoring	Raritan: BCM2

General Guidelines for this Release

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 Note: The standard default password policy has been updated. Please refer to the appropriate user guide for more info.

Please Note: Do NOT upgrade ANY other Raritan PX model(s) to Xerus 3.6.0 (other than what's listed in the table above) because the unit may have been built after this release entered our System Tests and it may result in the unit becoming non-functional.

Please Note: Do NOT downgrade your new Xerus based products to any prior release. Due to significant internal enhancements in Xerus 3.6.0, a downgrade from the Release 3.6.0 Build 46486 to ANY prior release is NOT SUPPORTED. Please contact Raritan Support with any questions.

Please Note: Only Power IQ® releases 6.0 and higher are supported with Xerus 3.6.0.

New Features

<i>Issue ID</i>	<i>Description</i>
69065	PDU Linking
69066	Outlet grouping – Multiple PDU
66145	Download Data Log as CSV
69578	PDView App Data Export
72668, 70812	Multi Language Web GUI – Traditional Chinese, Russian
71048	Web GUI Auto Language Adjust Based on Browser Settings
73637	Default Password Change Enforcement (California SB-327)
70267	Show Device Name at CLI Prompt
71877	Test Event Action Button
71066	Alarm Acknowledgement from Local Display
71004	Addition of Power Dashboard for Dual Inlet PDU
71023	Firmware Downgrades Disabled by Default (GUI & SCP)
71766	Diagnostic Log for DHCP/TFTP Provisioning
72362	Allow Sub-Directories for USB & TFTP Provisioning
73461	Increase Maximum RADIUS Timeout
73682	Inrush Guard Phase Awareness

Bug Fixes

<i>Issue ID</i>	<i>Description</i>
71578	SNMP Traps on Device Startup Lost
71794	Firmware Update Fails While Running Lua Scripts
71818	SMTP Detail Not Accessible (Web GUI – Safari)
72108	Sensor Logs Cannot HTTP Push on Transfer Switch
72126	Missing Values on Email Messages with Default Outlet Names
72243	Device Memory Issue While Using Lua Scripts
72411, 72412	Various RCM Type B Enhancements (Select Models)
72716, 72717	Transfer Switch Overload Fault Bugs
72804	CSR Key Download Issue
72963	Auto Recovery for USB Cascading Issues
73003	Clarification of Local Display Fuse Indication
73500	Data Push Failure using HTTPS
71173	Transfer Switch “ <i>transferTimingStatistics</i> ” Command Fixed

Security Fixes & Updates

<i>Issue ID</i>	<i>Description</i>
69949	Addition of HTTP Security Headers
70656	Support for HTTP Strict Transport Security (HSTS)
73703	Buffer overflow in Wi-Fi code (CVE-2019-16746)

Please consult the appropriate Xerus 3.6.0 User Guide for more information on these firmware features at Raritan.com/support.

Not Supported with Xerus Release 3.6.0

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 only Power IQ release 6.1.1 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.

Default System Passwords:

- Xerus firmware no longer supports default passwords and passwords must be manually set on all new units running Xerus 3.6.0 or devices that are running Xerus 3.6.0 and have been factory reset.

EMX2 Internal Sensor Availability:

- Upgrading EMX to Xerus 3.6.0 may require reboot to re-enable all internal sensor functionality. All external sensors and peripheral devices are not impacted.

If you are unsure that your model is supported by this firmware or you have any questions about unsupported configurations, please contact your regional support team at Raritan.com/support

Upgrade Matrix (Path for Upgrades)

This release is intended for factory shipments and firmware upgrades on the series/models stated in the table above.

Please Note: Due to file system changes in release 3.6.0, the following upgrade paths need to be followed or the Xerus device may become inoperable and require manual recovery

<i>Firmware Version</i>	<i>Upgrade Steps</i>
3.0.x, 3.1.x, 3.2.x	»3.4.0»3.5.0»3.6.0
3.3.x, 3.4.x,	»3.5.0»3.6.0
3.5.x	» 3.6.0

Historical firmware version downloads may be found on our support site referenced below

Raritan PX Downloads:

The following supplemental files can be downloaded at Raritan.com/support (please select the correct product):

- Firmware Files and Release Notes
- Product documentation and User Guides
- SNMP MIBs
- Related Tools and Drivers
- JSON-RPC SDK

Release Package Details:

The Xerus 3.6.0 release package has the following components. It is a GA release and will be posted on the Raritan website at Raritan.com/support. Please note that the firmware file for the EMX2 model is different than the PXE, PX2, PX3, PX3TS and BCM2 models.

Release 3.6.0 Package components for PXE, PXC PXO, PX2, PX3, PX3TS, SRC, BCM2 & Legrand Switched/Metered Products:

- "Xerus_ReleaseNotes_3.6.0" (this file)
- A firmware release (binary): pdu-px2-030600-46486.bin

Release 3.6.0 Package Components for EMX2:

- "Xerus_ReleaseNotes_3.6.0" (this file)
- A firmware release (binary): emx-ecx-030600-46486.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 appropriate device User Guide. Please read the entire upgrade instructions before starting an upgrade.
- *If you have any questions, or cannot follow the instructions in the User Guide, please STOP and contact Raritan Support for further instructions.*

Contact Us

Please go to [Raritan.com/support](https://raritan.com/support) for contact options.