

Xerus Firmware Release Notes



Version: Xerus 4.1.0 / Build 49885 / Release Notes, Version 1

Release Status: General Availability (GA)

Date: September 13, 2023

Release Overview

Xerus 4.1.0 Firmware is a **General Availability (GA) Release** for applicable Xerus-based product groups. This release may include performance and productivity improvements, support for new products and accessories, new features and enhancements, bug fixes, and general fixes for specific model families.

Note: Due to an issue found in recently released Xerus 4.0.x firmware updates, we strongly recommend upgrading to release 4.1.0 Build 49885. If you need assistance, please contact your regional Raritan Support team.

Applicability

This firmware release applies to the following Xerus-based product brands and models.

<i>Product Group</i>	<i>Model</i>
Rack PDUs	PX4
Access Control	SmartLock™
Sensors	DX2 SmartSensors™
Asset Management	AMS2

General Guidelines for this Release

This release may not support some custom-engineered models. Please check the **Support & Compatibility** section below. Or contact your regional Raritan Support team if you are unsure of the model number of your unit—it is typically viewable from the GUI's *Device Information* page and is also printed on a label located on the device.

Note: Do NOT upgrade ANY other Raritan model(s) to Xerus 4.1.0 Firmware (other than what is listed in the Applicability table above) because the unit may either not be compatible with Xerus Firmware or may have been built after this release entered our System Tests and installing it may result in the unit becoming non-functional.

Note: Do NOT downgrade your new Xerus-based product(s) to any prior Xerus Firmware release. Due to significant internal enhancements in Xerus 4.1.0, a downgrade from Release 4.1.0 Build 49885 to ANY prior firmware release is NOT SUPPORTED. Please contact your regional Raritan Support team with any questions.

Release Highlights

New Products & Accessories

<i>Issue ID</i>	<i>Description</i>
78874	Added support for a new vibration SmartSensor™ (DX2-VBR)
81590	Added Support for PX4-1K metered units

New Features & Enhancements

<i>Issue ID</i>	<i>Description</i>
81330	Added write support for account management via Redfish® API
80687	Added HTTPS certificate management via Redfish API
81227	Added new USB Wi-Fi support for iX7 and newer controllers
73751	Added the ability to perform a data push for linked units
77732	Increased SMTP password limit from 64 to 128 characters
78220	Increased memory limits for LUA scripting service
76363	Added new SmartLock™ event conditions for door being forced open and manual unlock of a door handle
78679	Added new dew point calculations for combination temperature and humidity sensors
75988	Added additional LDAP information from the CLI using the <show authentication> command
81201	Added display of all MAC addresses from the PDU details page in the web GUI
73733	Added network configuration settings for linked units from web GUI
73603	Added the ability to view cleared hardware failures from web GUI
70730	Added power save modes and user-defined timeout settings on LCD
80782	Added the ability to view min/max values for all sensors in table view
78804	Added the link port status on the Device Information page for linked units

Bug Fixes

<i>Issue ID</i>	<i>Description</i>
81047	Fixed auto relock issue on a unit reboot for SmartLock

80563	Fixed door handle controller not reporting correct open and close state
82379	Fixed defect when more than 12 sensors are connected to our sensor hubs
82152	Fixed false event error issue on disconnect and reconnect of Asset Management (AMS2) segment
82450	Fixed Asset Management (AMS2) user-defined RU names disappearing on reboot
79668	Fixed text wrapping issue in web GUI for the internal sensor states view
81510	Fixed communication error on primary unit after linked unit is rebooted
82195	Fixed onboard display not turning on with alert activities
81184	Fixed inconsistent outlet power state warnings issue
81073	Fixed incorrect error messaging for thresholds in CLI
81072	Fixed inconsistent messaging for warnings and errors when setting thresholds in web GUI

Security Fixes & Updates

<i>Issue ID</i>	<i>Description</i>
82042	Updated OpenSSL to 3.0.9 (CVE-2023-2650)
80998	Disabled algorithm Diffie-Hellman-Group14-sha256 (CVE-2002-20001)
81228	Updated Dropbear SSH to latest version 2022.83

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

Support & Compatibility with Xerus 4.1.0

Except for some recent Engineered to Order (ETO) models, applicable units/models that are Xerus-based can be upgraded to this firmware release (see Applicability table above).

Upgrade Matrix (Path for Upgrades)

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

Note: Due to file system changes in Xerus 4.0.x, the following upgrade paths must be followed, or the Xerus-based device may become inoperable and require manual recovery.

<i>Firmware Version</i>	<i>Upgrade Steps</i>
4.0.x	» 4.1.0

Note: Due to an issue found in recently released Xerus 4.0.x firmware updates, we strongly recommend upgrading to release 4.1.0 Build 49885. If you need assistance, please contact your regional Raritan Support team.

Downloads

The following supplemental files can be downloaded at raritan.com/support:

- Product Documentation and User Guides
- SNMP MIBs
- Related Tools and Drivers
- JSON-RPC SDK
- Redfish[®] Documentation

Historical firmware version downloads can be found on raritan.com/support.

Release Package Details

The Xerus 4.1.0 Firmware is a General Availability release package and will be posted on the Raritan support website at raritan.com/support.

Xerus 4.1.0 Package

- "Xerus_ReleaseNotes_4.1.0.pdf" (this file)
- A firmware release (binary): pdug4-ixg4-040100-49885.bin

General Upgrade Instructions (*stand-alone upgrade from the browser-based user interface*)

- Enable JavaScript in your browser before logging into the unit to start the upgrade process.
- Follow the instructions in the proper 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

Go to raritan.com/support for contact options.