EcoStruxure Panel Server Entry

Firmware Release Notes

Wireless Devices Concentrator and Gateway

EcoStruxure offers IoT-enabled architecture and platform.

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About the Document

Document Scope

This document provides users with the following information about the EcoStruxure™ Panel Server Entry gateway:

- New features, major fixes, and limitations for the latest firmware version
- History of previous firmware versions
- List of supported devices

Validity Note

This document applies to the Panel Server Entry gateway with firmware version 002.003.000.

Online Information

The characteristics of the products described in this document are intended to match the characteristics that are available on www.se.com. As part of our corporate strategy for constant improvement, we may revise the content over time to enhance clarity and accuracy. If you see a difference between the characteristics in this document and the characteristics on www.se.com, consider www.se.com to contain the latest information.

General Cybersecurity Information

In recent years, the growing number of networked machines and production plants has seen a corresponding increase in the potential for cyber threats, such as unauthorized access, data breaches, and operational disruptions. You must, therefore, consider all possible cybersecurity measures to help protect assets and systems against such threats.

To help keep your Schneider Electric products secure and protected, it is in your best interest to implement the cybersecurity best practices as described in the Cybersecurity Best Practices document.

Schneider Electric provides additional information and assistance:

- Subscribe to the Schneider Electric security newsletter.
- Visit the Cybersecurity Support Portal web page to:
  - Find Security Notifications.
  - Report vulnerabilities and incidents.
- Visit the Schneider Electric Cybersecurity and Data Protection Posture web page to:
  - Access the cybersecurity posture.
  - Learn more about cybersecurity in the cybersecurity academy.
  - Explore the cybersecurity services from Schneider Electric.

Available Languages of the Document

The document is available in these languages:

- English (DOCA0249EN), original language
- French (DOCA0249FR)
- German (DOCA0249DE)
- Italian (DOCA0249IT)
- Portuguese (DOCA0249PT)
- Spanish (DOCA0249ES)

Related Documents

Title of documentation	Publication date	Reference number
EcoStruxure Panel Server - User Guide	07/2025	DOCA0172EN DOCA0172DE DOCA0172ES DOCA0172FR DOCA0172IT DOCA0172PT
EcoStruxure Panel Server - Modbus File	07/2025	DOCA0241EN
EcoStruxure Panel Server - Alarm File	07/2025	DOCA0330EN

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Introduction

EcoStruxure Master Range

EcoStruxure is Schneider Electric's IoT-enabled, plug-and-play, open, interoperable architecture and platform, in Homes, Buildings, Data Centers, Infrastructure and Industries. Innovation at Every Level from Connected Products to Edge Control, and Apps, Analytics and Services.

Panel Server Entry Gateway

Panel Server Entry (PAS400) is a high performance, all-in-one gateway used to retrieve data from IEEE 802.15.4 devices.

Panel Server Entry is a data concentrator for wireless devices (see detailed list).

Panel Server Entry offers the following features:

- One 10/100BASE-T Ethernet RJ45 port
- Upstream Modbus TCP/IP connectivity (edge connection)
- Upstream Wi-Fi connectivity
- Wi-Fi access point
- Downstream IEEE 802.15.4 connectivity
- Data sampling
- Compatible with the following commissioning tools of Panel Server and connected devices:
  - EcoStruxure Power Commission software
  - EcoStruxure Panel Server webpages
- Compatible with the following Schneider Electric cloud applications:
  - EcoStruxure Energy Hub
  - EcoStruxure Asset Advisor
  - EcoStruxure Resource Advisor

Convention

EcoStruxure Panel Server is hereafter referred to as Panel Server.

Firmware Release History

Date	Panel Server Entry firmware version	Availability
July 2025	002.003.000	Latest commercial release
June 2025	002.002.001	Release for manufacturing
April 2025	002.002.000	Obsolete
January 2025	002.001.000	Obsolete
September 2024	002.000.000	Obsolete
May 2024	001.010.000	Obsolete
February 2024	001.009.000	Obsolete
November 2023	001.008.000	Obsolete

Date	Panel Server Entry firmware version	Availability
August 2023	001.007.000	Obsolete
June 2023	001.006.000	Obsolete

Firmware Update Policy

Firmware update is recommended to benefit from the latest features and potential bug fixes.

Firmware Update with EcoStruxure Power Commission Software

Use the latest version (version 2.32.0 or higher) of EcoStruxure Power Commission software to update Panel Server to the latest firmware version available.

The latest version of EcoStruxure Power Commission software is available here.

For more information about the use of EcoStruxure Power Commission software, refer to *EcoStruxure Power Commission Online Help*.

Firmware Update with EcoStruxure Panel Server Webpages

To update the firmware with the Panel Server webpages, proceed as follows:

1. Make sure that the Panel Server is continuously powered during the firmware update.
2. Retrieve the latest version of Panel Server firmware and save on your PC in one of the following ways:
   - From your Schneider Electric country website

     NOTE: Ensure that you select the firmware update suitable for your Panel Server model and hardware version.
   - Directly from the **Maintenance > Firmware update** page of the webpages in step 5 of this procedure. The correct firmware update suitable for your Panel Server model is automatically selected.
3. Connect your PC to the Panel Server via an Ethernet cable or via Wi-Fi through the Wi-Fi access point.. The connection procedures are described in DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.
4. Follow the procedure described in DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6 to access the Panel Server webpages.
5. From the Panel Server webpages, navigate to **Maintenance > Firmware update**. You can download the correct firmware update from the section **Retrieve the appropriate firmware**. Click **Download file** to download it to your PC.
6. In the **Firmware update** section, import the firmware file by clicking **Import file** and selecting the downloaded firmware file from your file explorer. Follow the on-screen instructions.
7. Reboot the Panel Server to update the firmware.

   NOTE: The Panel Server webpages cannot be accessed while the Panel Server is rebooting.

8. After the reboot, check that the firmware version is the latest to make sure that the update is effective.

   If the firmware version is still the old one, perform the firmware update again.

   If the problem persists, contact your Schneider Electric customer support.

Latest Firmware Version

Firmware Version 002.003.000

New Features for Firmware Version 002.003.000

- **Security improvements** in EcoStruxure Panel Server:
  - Security patch
- Introduced logic code **INT64ToFloat32** to convert INT64 values to Float32 values.

New Supported Wireless Devices

- The following references of PowerLogic Thermal Tag wireless temperature sensors
  - SPTH150S self-powered wireless thermal sensor
  - SPTH150M self-powered wireless thermal sensor with 3 probes
  - SPTH200M wireless thermal sensor with 4 probes
- The following references of Acti9 Active iCV40H ARC without overvoltage protection alarm:
  - A9TDNC606
  - A9TDNC610
  - A9TDNC616
  - A9TDNC625
  - A9TDNC632
  - A9TDNC640
  - A9TDND606
  - A9TDND610
  - A9TDND616
  - A9TDND620
  - A9TDND625
  - A9TDND632

User Interface Improvements

- Improved user experience in device pages by adding icon to collapse left pane (device tree) to maximize screen space.
- Improved webpage header with reorganization of Service status display. Drop down list of services in page header gives summary of the status via an icon , and a link to the **Settings** page of each service.
- In **Monitoring & Control > Multi device view**, **Device range** information added to overview for improved context.
- Improved user experience in **Settings > Wireless devices > Discovery** by adding text to clarify use of discovery methods.

Major Fixes for Firmware Version 002.003.000

The following bugs are fixed in firmware version 002.003.000:

- Instability experienced with connection to Wi-Fi infrastructure

Performance and Limitations for Firmware Version 002.003.000

General Performance and Limitations

- For any data conversion to INT64 using logic codes, the largest number that can be accurately represented is 9007199254740991. Any number larger than this will not be precise.
- Web browser Mozilla Firefox not supported.
- Keep firmware up to date in order to allow the Schneider Electric Customer Care Center to remotely access the Panel Server webpages.

  Remote access certificates for each firmware version are valid up to the dates indicated in the table.

Panel Server firmware version	Remote access certificate validity date
002.003.000	07 May 2026
002.002.001	27 January 2026
002.002.000	27 January 2026
002.001.000	24 November 2025

  For more information about Firmware Update, refer to DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.

Limitations on Publication

- For legacy Smartlink devices and embedded input devices, configured as Pulse counter, when publication is to Schneider Electric cloud, non-standard units can be misinterpreted, and misleading values are published. To avoid this issue, in the webpages configure the pulse counter unit using standard (SI) units (for example, Wh) and use the pulse weight to convert to the desired unit (for example kWh). For more information, refer to the section *Pulse Digital Input Parameters* in DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6
- When SFTP or HTTPS publication is enabled, alarms are displayed in the Panel Server webpages but are not published on SFTP or HTTPS servers.
- Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.

Limitations on Data Sampling, Data Logging and Alarming

- Alarms are not historized or published for devices that have **Disconnected** status at the moment that the remote configuration is received by the Panel Server after publishing a topology.

  Check that all devices are connected before publishing a topology.
- The number of individual data points that can be sampled simultaneously is limited to 5,000 and limited to a flow of 500 data points per minute.
- The number of individual alarms that can be selected for publication is limited to 500. Among the 500 alarms, a maximum of 300 can be from Modbus-SL devices.

Limitations on Wireless Devices

- For ZBRT pushbutton devices, communication with buttons is lost when the Panel Server changes from one channel to another. Decommission the ZBRT device (refer to the ZBRZ commissioning module instruction sheet NNZ21729) and discover the ZBRT devices again to re-establish communication.

- For Exiway Link devices, light status value (ON, OFF) is relevant only when the device is not in emergency mode.
- Within a parent-child Panel Server gateway configuration, the modification of a contextualized setting of a device to the child Panel Server (for example, auxiliary position modified from SD to SDE) is not automatically reflected in the parent gateway. A manual update in the parent Panel Server is required to display modifications.
- Wireless indication auxiliary: the Panel Server does not manage alarm notification by email or to Schneider Electric cloud applications.
- PowerTag Control:
  - If a PowerTag Control device is connected to a child gateway:
    - No automatic discovery.
    - No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.

Limitations on Input Devices Configured as Pulse Counter

Depending on the language of your browser, when entering a value in the Pulse weight field, to add a decimal value (for example 1.5), you may need to copy and paste the value into the field. An error message may pop up to indicate that the value is not valid but the value is used for the calculation of consumption and flow.

General Features

The following table presents the availability of general features on Panel Server Entry in firmware version 002.003.000.

● Available

● Not available

General features		Availability
Functionality	Connection to Edge Control (EcoStruxure Power Monitoring Expert, EcoStruxure Power Operation,EcoStruxure Building Operation, any Building Management System, or third-party monitoring or supervision system)	●
Wi-Fi	2.4 GHz	●
	5 GHz	●
	Wi-Fi access point, available to connect a smartphone running the Schneider Electric EcoStruxure Power Commission mobile app	●
Human Machine Interface (HMI)	FDM128 Ethernet display	●
Configuration	User management by single user account	●
	User management by multiple users with Role-Based Access Control (RBAC)	●
Alarms	Publication of alarms related to: • Communication issue between a device and Panel Server when available from the end devices • The three levels of alarms from HeatTag sensors	●
Protocols	Modbus TCP/IP server	●
	DHCP client	●
	DHCP server	●
	DPWS server	●
	HTTPS	●
	SFTP client	●
Data export	Panel Server webpages for publication on SFTP server or HTTPS server	●
	Publication on Schneider Electric cloud by using Panel Server webpages	●

Maximum Configuration

The maximum number of devices that can be configured in a system with a Panel Server Entry depends on the type of connected devices:

Wireless device	Maximum concurrent number of devices
PowerTag Energy sensors	20
PowerLogic Tag energy sensors	20
Acti9 Active devices	20
PowerTag Control devices	10
Wireless indication auxiliaries for ComPacT and PowerPacT circuit breakers	20
MasterPacT MTZ circuit breakers with MicroLogic Active AP or EP control unit	8
Wireless CO_2 sensors	20
Wireless temperature and humidity sensors	20
PowerTag A devices	20
PowerTag Ambient sensors	20
Easergy TH110/CL110 environmental sensors	20

Wireless device	Maximum concurrent number of devices
PowerLogic Tag thermal temperature sensors	20
PowerLogic HeatTag sensors	15
PowerLogic PD100 devices	15
Exiway Link devices	20
XB5R transmitters (ZBRT)	20
The recommendation for a mixed configuration of wireless devices is that any combination of wireless devices listed in the rows above should not exceed **20 devices**.	

Commissioning and Monitoring Features

The following table presents the availability of commissioning and monitoring features on Panel Server Entry in firmware version 002.003.000.

● Available

● Not available

Commissioning and monitoring features		**Availability**
Firmware update	Applied to one Panel Server gateway by using EcoStruxure Power Commission software	●
	Applied to one Panel Server gateway by using Panel Server webpages	●
	Applied to several Panel Server gateways by using EcoStruxure Power Commission software	●
	Applied to several Panel Server gateways by using Panel Server webpages	●
Backup restore	Backup restore on a Panel Server of the same model by using EcoStruxure Power Commission software	●
	Backup restore on a Panel Server of the same model by using Panel Server webpages	●
Configuration	Configuration by using EcoStruxure Power Commission software	●
	Ethernet configuration for upstream communication by using Panel Server webpages	●
	Wi-Fi configuration for upstream communication by using Panel Server webpages	●
	Selective discovery of wireless devices by using EcoStruxure Power Commission software	●
	Selective discovery of wireless devices by using Panel Server webpages	●
	Automatic discovery of wireless devices by using Panel Server webpages	●
Monitoring	Display of data of the supported devices (see commercial references in Supported Devices) by using Panel Server webpages	●
	Diagnostic by using Panel Server webpages	●

Supported Devices

Wireless Devices

The following table shows the minimum Panel Server Entry firmware version and the minimum firmware version of the wireless device required to enable communication with wireless devices.

Device family	Device		Minimum Panel Server Entry firmware version	Minimum firmware version of wireless device
Power meter	PowerTag A9 M63 1P+N Bottom	A9MEM1522	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 M63 3P	A9MEM1540	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 M63 3P+N Top	A9MEM1541	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 M63 3P+N Bottom	A9MEM1542	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 M63 3P	A9MEM1543	001.006.000	004.000.424 (1)
Power meter	PowerTag M250 3P 250A	LV434020	001.006.000	001.003.002 (1)
Power meter	PowerTag M250 3P+N 250A	LV434021	001.006.000	001.003.002 (1)
Power meter	PowerTag M630 3P 630A	LV434022	001.006.000	001.003.002 (1)
Power meter	PowerTag M630 3P+N 630A	LV434023	001.006.000	001.003.002 (1)
Power meter	PowerTag A9 M63 1P+W	A9MEM1520	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 M63 1P+N Top	A9MEM1521	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 P63 1P+N Top	A9MEM1560	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 P63 1P+N Top	A9MEM1561	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 P63 1P+N Bottom	A9MEM1562	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 P63 1P+N Bottom RCBO	A9MEM1563	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 F63 1P+N 110V	A9MEM1564	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 F63 3P+N	A9MEM1570	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 P63 3P+N Top	A9MEM1571	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 P63 3P+N Bottom	A9MEM1572	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 F63 3P	A9MEM1573	001.006.000	004.000.424 (1)
Power meter	PowerTag A9 F63 3P+N 110/230V	A9MEM1574	001.006.000	004.000.424 (1)
Power meter	PowerTag F160 3P/3P+N	A9MEM1580	001.006.000	001.001.000 (1)
Power meter	PowerTag Rope 200 A 3P/3P+N	A9MEM1590	001.006.000	001.001.000
Power meter	PowerTag Rope 600 A 3P/3P+N	A9MEM1591	001.006.000	001.001.000
Power meter	PowerTag Rope 1000 A 3P/3P+N	A9MEM1592	001.006.000	001.001.000
Power meter	PowerTag Rope 2000 A 3P/3P+N	A9MEM1593	001.006.000	001.001.000
Power meter	PowerLogic Tag E-Frame 10-60A 1P+N	PLTE601P	001.006.000	004.000.424 (1)
Power meter	PowerLogic Tag E-Frame 10-60A 2P	PLTE602P	001.006.000	004.000.424 (1)

(1) Modbus mapping identical to PowerTag Link

Device family	Device		Minimum Panel Server Entry firmware version	Minimum firmware version of wireless device
Power meter	PowerLogic Tag E-Frame 10-60A 3P	PLTE603P	001.006.000	004.000.424 (2)
Power meter	PowerLogic Tag QO 10-30A 1P+N	PLTQO301P	001.006.000	004.000.424 (2)
Power meter	PowerLogic Tag QO 10-30A 2P	PLTQO302P	001.006.000	004.000.424 (2)
Power meter	PowerLogic Tag QO 10-30A 3P	PLTQO303P	001.006.000	004.000.424 (2)
Power meter	PowerLogic Tag QO 35-60A 1P+N	PLTQO601P	001.006.000	004.000.424 (2)
Power meter	PowerLogic Tag QO 35-60A 2P	PLTQO602P	001.006.000	004.000.424 (2)
Power meter	PowerLogic Tag QO 35-60A 3P	PLTQO603P	001.006.000	004.000.424 (2)
Power meter	PowerLogic Tag Rope 120A 3P	PLTR1203P	001.006.000	001.001.000
Power meter	PowerLogic Tag Rope 600A 3P	PLTR6003P	001.006.000	001.001.000
Power meter	PowerLogic Tag Rope 1000A 3P	PLTR10003P	001.006.000	001.001.00
Power meter	PowerLogic Tag Rope 2000A 3P	PLTR20003P	001.006.000	001.001.000
Ambient sensor	Easergy TH110 wireless thermal sensor	EMS59440	001.006.000	001.000.003 (2)
Ambient sensor	Easergy CL110 wireless environmental sensor	EMS59443	001.006.000	002.001.003 (2)
Ambient sensor	ZBRTT1 wireless environmental sensor	ZBRTT1	001.006.000	002.001.003 (2)
Ambient sensor	Wireless CO_2 sensor	SED-CO2-G-5045	001.006.000	001.001.004
Ambient sensor	Wireless temperature and humidity sensor	SED-TRH-G-5045	001.006.000	001.001.004
Ambient sensor	PowerTag A (EwSenseTemp)	ESST010B0400	001.006.000	001.001.004
Ambient sensor	PowerTag Ambient wireless temperature sensor	A9XST114	001.006.000	001.001.005
Ambient sensor	PowerLogic HeatTag	SMT10020	001.006.000	002.002.009
Ambient sensor	PowerLogic Thermal Tag wireless temperature sensor	SPTH150S	002.003.000	001.004.001
		SPTH150M	002.003.000	001.004.001
		SPTH200M	002.003.000	001.003.001
Circuit breaker	Acti9 Active iC40 and iC60	A9TAA●●●●	001.006.000	001.000.001
		A9TAB●●●●	001.006.000	001.000.001
		A9TDEC●●●	001.006.000	001.000.001
		A9TDFC●●●	001.006.000	001.000.001
		A9TDFD●●●	001.006.000	001.000.001
		A9TPDD●●●	001.006.000	001.000.001
		A9TPED●●●	001.006.000	001.000.001
		A9TYAE●●●	001.006.000	001.000.001
		A9TYBE●●●	001.006.000	001.000.001
Circuit breaker	Acti9 iCV40N ARC 1PN C6 30mA RCBO AFDZ	A9TDNC606	002.003.000	001.004.000
	Acti9 iCV40N ARC 1PN C10 30mA RCBO AFDZ	A9TDNC610	002.003.000	001.004.000
	Acti9 iCV40N ARC 1PN C16 30mA RCBO AFDZ	A9TDNC616	002.003.000	001.004.000
	Acti9 iCV40N ARC 1PN C25 30mA RCBO AFDZ	A9TDNC625	002.003.000	001.004.000

(2) Modbus mapping identical to PowerTag Link

Device family	Device		Minimum Panel Server Entry firmware version	Minimum firmware version of wireless device
	Acti9 iCV40N ARC 1PN C32 30mA RCBO AFDZ	A9TDNC632	002.003.000	001.004.000
	Acti9 iCV40N ARC 1PN C40 30mA RCBO AFDZ	A9TDNC640	002.003.000	001.004.000
	Acti9 iCV40H ARC 1PN C6 30mA RCBO AFDZ	A9TDND606	002.003.000	001.004.000
	Acti9 iCV40H ARC 1PN C10 30mA RCBO AFDZ	A9TDND610	002.003.000	001.004.000
	Acti9 iCV40H ARC 1PN C16 30mA RCBO AFDZ	A9TDND616	002.003.000	001.004.000
	Acti9 iCV40H ARC 1PN C20 30mA RCBO AFDZ	A9TDND620	002.003.000	001.004.000
	Acti9 iCV40H ARC 1PN C25 30mA RCBO AFDZ	A9TDND625	002.003.000	001.004.000
	Acti9 iCV40H ARC 1PN C32 30mA RCBO AFDZ	A9TDND632	002.003.000	001.004.000
Circuit breaker	Acti9 Vigi iDT40 25 A 1P+N	A9Y6E625	001.006.000	001.000.001
Circuit breaker	Acti9 Vigi iDT40 40 A 1P+N	A9Y6E640	001.006.000	001.000.001
Circuit breaker	Acti9 Vigi iC40 25 A 1P+N	A9Y8E625	001.006.000	001.000.001
Circuit breaker	Acti9 Vigi iC40 40 A 1P+N	A9Y8E640	001.006.000	001.000.001
Circuit breaker	Acti9 Vigi iC60 25 A 2P	A9V6E225	001.006.000	001.000.001
Circuit breaker	Acti9 Vigi iC60 40 A 2P	A9V6E240	001.006.000	001.000.001
Circuit breaker	Acti9 Vigi iC60 25 A 2P	A9V8E225	001.006.000	001.000.001
Circuit breaker	Acti9 Vigi iC60 40 A 2P	A9V8E240	001.006.000	001.000.001
Circuit breaker	MicroLogic Active AP control unit for MasterPacT MTZ	LV933071W LV933072W LV933073W	002.000.000	002.000.000
Circuit breaker	MicroLogic Active EP control unit for MasterPacT MTZ	LV947600W LV947602W LV947603W	002.000.000	002.000.000
I/O device	Wireless indication auxiliary for ComPacT NSXm and PowerPacT B-frame	LV429453	001.006.000	001.000.000
I/O device	Wireless indication auxiliary for ComPacT NSX, PowerPacT H-, J-, and L-frame, ComPacT NS, and PowerPacT M-, P-frame	LV429454	001.006.000	001.000.000
I/O device	PowerTag C IO 230V digital input output module	A9XMC1D3	001.006.000	002.000.000
I/O device	PowerTag C 2DI 230V digital input module	A9XMC2D3	001.006.000	002.000.000
I/O device	XB5R transmitter for wireless and batteryless pushbutton(3)	ZBRT1	002.002.000	001.000.000
		ZBRT2	002.002.000	001.000.000
Condition monitoring	PowerLogic PD100 Partial discharge monitoring sensor	PD100X001	001.006.000	002.000.000
Safety	Exiway Light Act. connected 42/ 120 multi	OVA44210	002.000.000	001.001.001
	Exiway Light Act. connected 65/ 120 multi	OVA44211	002.000.000	001.001.001
	Exiway Light Act. connected 42/ 200 multi	OVA44212	002.000.000	001.001.001

(3) When used in conjunction with ZBRZ1 advanced commissioning module for XB5R transmitters

Device family	Device		Minimum Panel Server Entry firmware version	Minimum firmware version of wireless device
	Exiway Light Act. connected 65/ 200 multi	OVA44213	002.000.000	001.001.001
	Exiway Light Act. connected 42/ 450 multi	OVA44214	002.000.000	001.001.001
	Exiway Light Act. connected 65/ 450 multi	OVA44215	002.000.000	001.001.001
	Exiway Trend Act. connected 42/120 multi	OVA47210	002.000.000	001.001.001
	Exiway Trend Act. connected 65/120 multi	OVA47211	002.000.000	001.001.001
	Exiway Trend Act. connected 42/200 multi	OVA47212	002.000.000	001.001.001
	Exiway Trend Act. connected 65/200 multi	OVA47213	002.000.000	001.001.001
	Exiway Trend Act. connected 42/450 multi	OVA47214	002.000.000	001.001.001
	Exiway Trend Act. connected 65/450 multi	OVA47215	002.000.000	001.001.001
	Exiway Light device	OVA47222	002.000.000	001.001.001
	Exiway Light device	OVA47223	002.000.000	001.001.001
	Exiway Light device	OVA47224	002.000.000	001.001.001
	Exiway Light device	OVA47225	002.000.000	001.001.001
	Exiway Light EVAC 42 SATI connected	OVA59130	002.000.000	001.001.001
	Exiway Light EVAC 65 SATI connected	OVA59131	002.000.000	001.001.001
	Exiway Light HAB 42 SATI connected	OVA59230	002.000.000	001.001.001
	Exiway Light HAB 65 SATI connected	OVA59231	002.000.000	001.001.001
	Exiway Light AMB 42 SATI connected	OVA59330	002.000.000	001.001.001
	Exiway Light AMB 65 SATI connected	OVA59331	002.000.000	001.001.001
	Exiway Light BIF 42	OVA59430	002.000.000	001.001.001
	Exiway Light BIF 65	OVA59431	002.000.000	001.001.001
	Exiway Light DBR 65	OVA59232	002.000.000	001.001.001

Appendix: Previous Firmware Versions

Firmware Version 002.002.001

New Features for Firmware Version 002.002.001

- **Security improvements** in Panel Server: Password policy reinforced with obligation to set password at first log-in

Firmware Version 002.002.000

New Features for 002.002.000

- **Security improvements** in Panel Server:
  - Password policy reinforced with new rules. Follow the new rules from your next password update. For more information about Password Requirements, refer to DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.
  - **Protect Plus**: Install code introduced for discovery with heightened security of 16-character RF-ID wireless devices.
- Wi-Fi access point allows you to use a PC to connect to the Wi-Fi network of the Panel Server, providing access to Panel Server webpages for device configuration, monitoring and firmware update.
- New supported devices: XB5R transmitters: ZBRT1 and ZBRT2. For more information about adding and removing ZBRT devices, refer to DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.
- Support for new measurements for motor controller devices:
  - Pole state
  - Contactor state
  - Speed setpoint
  - Motor speed
  - Direction of motor rotation
- Introduction of maximum number of 50 custom models imported to Panel Server. Each model can have one current version and one available version.

User Interface Improvements

- **Monitoring & Control** webpage:
  - Devices sorted by alphabetical usage in tree view. Devices with no usage assigned are displayed in a **No usage** category, at the end of the list. Each usage can be collapsed to improve clarity of display.
  - Width of first column is reduced in multi-device view to improve display.
  - A new data type **Health state** can be selected for display in multi-device view, with the following data:
    - Battery voltage
    - Internal temperature
    - RSSI link
- **Data management** webpage: Devices are sorted by alphabetical usage in tree view. Devices with no usage assigned are displayed in a **No usage** category, at the end of the list. Each usage can be collapsed to improve clarity of display.

- RF-ID of device is displayed in **Settings > Wireless devices** in the header for each wireless device

Major Fixes for Version 002.002.000

The following bugs are fixed in Panel Server firmware version 002.002.000:

- Modbus devices associated with a custom model and supporting only Function code 04 were displayed as **Not connected** in the Panel Server after upgrading the Panel Server to firmware version 002.000.000.
- Energy meters in the iEM2050 family displayed unstable connected/ disconnected status in Panel Server webpages.
- Connection to a hidden network was not supported.

Performance and Limitations for 002.002.000

General Performance and Limitations

- For any data conversion to INT64 using logic codes, the largest number that can be accurately represented is 9007199254740991. Any number larger than this will not be precise.
- Web browser Mozilla Firefox not supported.
- Keep firmware up to date in order to allow the Schneider Electric Customer Care Center to remotely access the Panel Server webpages.

  Remote access certificates for each firmware version are valid up to the dates indicated in the table.

Panel Server firmware version	Remote access certificate validity date
002.003.000	07 May 2026
002.002.001	27 January 2026
002.002.000	27 January 2026
002.001.000	24 November 2025

  For more information about Firmware Update, refer to DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.

Limitations on Publication

- For legacy Smartlink devices and embedded input devices, configured as Pulse counter, when publication is to Schneider Electric cloud, non-standard units can be misinterpreted, and misleading values are published. To avoid this issue, in the webpages configure the pulse counter unit using standard (SI) units (for example, Wh) and use the pulse weight to convert to the desired unit (for example kWh). For more information, refer to the section *Pulse Digital Input Parameters* in DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6
- When SFTP or HTTPS publication is enabled, alarms are displayed in the Panel Server webpages but are not published on SFTP or HTTPS servers.
- Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.

Limitations on Data Sampling, Data Logging and Alarming

- Alarms are not historized or published for devices that have **Disconnected** status at the moment that the remote configuration is received by the Panel Server after publishing a topology.

  Check that all devices are connected before publishing a topology.
- The number of individual data points that can be sampled simultaneously is limited to 5,000 and limited to a flow of 500 data points per minute.
- The number of individual alarms that can be selected for publication is limited to 500. Among the 500 alarms, a maximum of 300 can be from Modbus-SL devices.

Limitations on Modbus Devices

Limitations on Acti9 Smartlink Modbus devices:

- For legacy Acti9 Smartlink Modbus devices, when Panel Server is unable to read the hardware version due to non-standard UTF-8 characters, a replacement character (�) is displayed at **Identification > Hardware revision** in the webpages. Previously the non-standard characters were not decoded and **No data** was displayed.

  NOTE: When manually adding a Modbus device, ensure that you select the correct device model from the Device list. The device model name includes information about the trip unit and connection interface or module.

Limitations on Wireless Devices

- For ZBRT pushbutton devices, communication with buttons is lost when the Panel Server changes from one channel to another. Decommission the ZBRT device (refer to the ZBRZ commissioning module instruction sheet NNZ21729) and discover the ZBRT devices again to re-establish communication.
- For Exiway Link devices, light status value (ON, OFF) is relevant only when the device is not in emergency mode.
- Within a parent-child Panel Server gateway configuration, the modification of a contextualized setting of a device to the child Panel Server (for example, auxiliary position modified from SD to SDE) is not automatically reflected in the parent gateway. A manual update in the parent Panel Server is required to display modifications.
- Wireless indication auxiliary: the Panel Server does not manage alarm notification by email or to Schneider Electric cloud applications.
- PowerTag Control:
  - If a PowerTag Control device is connected to a child gateway:
    - No automatic discovery.
    - No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.

Limitations on Input Devices Configured as Pulse Counter

Depending on the language of your browser, when entering a value in the Pulse weight field, to add a decimal value (for example 1.5), you may need to copy and paste the value into the field. An error message may pop up to indicate that the value is not valid but the value is used for the calculation of consumption and flow. Consumption and flow results displayed in the **Monitoring and Control** webpage are rounded to the nearest integer.

Firmware Version 002.001.000

New Features for Version 002.001.000

- Support for the following commands from cloud to Exiway Link devices
  - Locate an Exiway Link device to make it blink for five minutes
  - Disable or enable periodic tests
  - Start functional test
  - Switch light on or off
  - Synchronize Exiway Link devices
- Addition of the following commands from webpages to Exiway Link devices:
  - Locate an Exiway Link device to make it blink for five minutes
  - Disable or enable periodic tests
  - Start functional test
- Addition of sampling and publication of following real-time environmental measurements, depending on device connected:
  - Battery voltage
  - Internal temperature
  - RSSI link

Panel Server webpage user experience improvements:

- **Monitoring and Control** page organized with two views:
  - **Device view**: device-centric view allows you to display data for one device. Data is displayed as widgets for each data type.
  - **Multi-device view**: select up to 5 devices and 2 data types to display. The selection is maintained when clicking away and returning. A link on each device name displays the device view directly.
- Addition of alarm severity in Data management page for individual devices.
- Wireless device connection status indicator: added connection status in orange for reduced connection quality with possible loss of communication.

Major Fixes for Version 002.001.000

The following bugs are fixed in Panel Server firmware version 002.001.000:

- Wi-Fi signal strength icon on Panel Server webpage **Wi-Fi infrastructure** did not display correct signal strength.
- Acti9 Active devices blocked the publication of the Panel Server topology.
- Power meter models PM5340 and PM5341 displayed as unknown devices when discovered by the Panel Server.
- Certain special characters were not accepted in the password when connecting to the SFTP server or the HTTPS server.

Performance and Limitations for Version 002.001.000

General Performance and Limitations

- Connection to a hidden Wi-Fi network is not supported.
- Web browser Mozilla Firefox not supported

- Keep firmware up to date in order to allow the Schneider Electric Customer Care Center to remotely access the Panel Server webpages.

  Remote access certificates for each firmware version are valid up to the dates indicated in the table.

Panel Server firmware version	Remote access certificate validity date
002.003.000	07 May 2026
002.002.001	27 January 2026
002.002.000	27 January 2026
002.001.000	24 November 2025

  For more information about Firmware Update, refer to DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.

Limitations on Publication

- For SmartLink SIB devices , SmartLink legacy version 001.003.007 and embedded input devices, configured as Pulse counter, when publication is to Schneider Electric cloud, non-standard units can be misinterpreted, and misleading values are published. To avoid this issue, in the webpages configure the pulse counter unit using standard (SI) units (for example, Wh) and use the pulse weight to convert to the desired unit (for example kWh). For more information, refer to the section *Pulse Digital Input Parameters* in DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6
- When exporting CSV files to SFTP or HTTPS servers, an excessively large volume of data can result in empty export files. Reduce the publication period and perform the export again.
- Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.

Limitations on Data Sampling, Data Logging and Alarming

- The number of individual data points that can be sampled simultaneously is limited to 5,000 and limited to a flow of 500 data points per minute.
- The number of individual alarms that can be selected for publication is limited to 500. Among the 500 alarms, a maximum of 300 can be from Modbus-SL devices.

Limitations on Specific Devices

Limitations on Acti9 Smartlink Modbus devices:

- For legacy Acti9 Smartlink Modbus devices, when Panel Server is unable to read the hardware version due to non-standard UTF-8 characters, a replacement character (�) is displayed at **Identification > Hardware revision** in the webpages. Previously the non-standard characters were not decoded and **No data** was displayed.

Limitations on SmartLink SIB devices:

- Legacy SmartLink SIB devices do not support measurements or alarms introduced after the replacement of SmartLink SIB devices with I/O Smart Link devices. These measurements and alarms are therefore not available in the parent gateway when a SmartLink SIB device is used as a child gateway.

Limitations on wireless devices:

- Within a parent-child Panel Server gateway configuration, the modification of a contextualized setting of a device to the child Panel Server (for example, auxiliary position modified from SD to SDE) is not automatically reflected in the parent gateway. A manual update in the parent Panel Server is required to display modifications.
- Wireless indication auxiliary: the Panel Server does not manage alarm notification by email or to Schneider Electric cloud applications.
- PowerTag Control:
  - If a PowerTag Control device is connected to a child gateway:
    - No automatic discovery.
    - No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.

  NOTE: When manually adding a Modbus device, ensure that you select the correct device model from the Device list. The device model name includes information about the trip unit and connection interface or module.

Firmware Version 002.000.000

New Features for 002.000.000

- Increase in the maximum number of alarms that can be selected for publication from 100 to 500. Among the 500 alarms, a maximum of 300 can be from Modbus-SL devices.
- Addition of the following supported devices:
  - Wireless devices:
    - Exiway Light device
    - MasterPacT MTZ with MicroLogic Active AP or EP
- Wi-Fi access point enables you to connect to the Wi-Fi network of the Panel Server from a smartphone running the Schneider Electric EcoStruxure Power Commission mobile app . From the app you can configure connected devices.
- Addition of local time zone which can be set at **Settings > General > Date and time**. When set, the local time zone is used:
  - For data displayed on the **Monitoring & Control** webpage
  - In emails for alarms
  - For data published to an SFTP or HTTPS server
  - For data exported in a local file

  UTC is used to publish to cloud applications and for logging data, even when local time zone is set.
- Addition of the following supported measurements:
  - Steam volume (m^3)
  - Steam flow (m^3/s)
  - Steam mass flow (kg/s)
  - Air volume (m^3)
  - Air flow (m^3/s)

  These measurements are specified in a custom device model created in the EcoStruxure Power Commission web portal tool and imported into the Panel Server. The measurement values are available in the **Monitoring & Control** webpage.
- Panel Server webpage user experience improvements:
  - Loading time of webpages improved.
  - **Data management** page improvements:
    - A banner message gives information about the purpose and result of selecting measurements and alarms.
    - Date and time of last measurement data update is displayed at the top of the page.
  - In **Monitoring & Control** webpage, addition of date and time of last measurement data update at the top of the page.
  - In **Maintenance > Firmware update** page, addition of following sections:
    - **Retrieve the correct firmware** with button to click to allow you to download the correct firmware update for your Panel Server directly to your PC.
    - **Further information** with button to click to allow you to access general information related to Panel Server products.

Performance and Limitations for 002.000.000

General Performance and Limitations

- Web browser Mozilla Firefox not supported
- Keep firmware up to date in order to allow the Schneider Electric Customer Care Center to remotely access the Panel Server webpages.

  Remote access certificates for each firmware version are valid up to the dates indicated in the table.

Panel Server firmware version	Remote access certificate validity date
002.003.000	07 May 2026
002.002.001	27 January 2026
002.002.000	27 January 2026
002.001.000	24 November 2025

  For more information about Firmware Update, refer to DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.

Limitations on Publication

- The .csv publication to SFTP or HTTPS servers is limited to 200 files. If the publication does not contain all the data expected, follow one of these recommendations:
  - Reduce the publication period.
  - For each device, set the same sampling period for multiple measurements. All measurements with the same sampling period for a specific device are published in one .csv file.

  For more information, refer to section *File Format of Publications* in DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.
- For legacy Smartlink devices and embedded input devices, configured as Pulse counter, when publication is to Schneider Electric cloud, non-standard units can be misinterpreted, and misleading values are published. To avoid this issue, in the webpages configure the pulse counter unit using standard (SI) units (for example, Wh) and use the pulse weight to convert to the desired unit (for example kWh). For more information, refer to the section *Pulse Digital Input Parameters* in DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6
- When exporting CSV files to SFTP or HTTPS servers, an excessively large volume of data can result in empty export files. Reduce the publication period and perform the export again.
- When SFTP or HTTPS publication is enabled, alarms are displayed in the Panel Server webpages but are not published on SFTP or HTTPS servers.
- Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.

Limitations on Data Sampling, Data Logging and Alarming

- The number of individual data points that can be sampled simultaneously is limited to 5,000 and limited to a flow of 500 data points per minute.
- The number of individual alarms that can be selected for publication is limited to 500. Among the 500 alarms, a maximum of 300 can be from Modbus-SL devices.

Limitations on Specific Devices

Limitations on Acti9 Smartlink Modbus devices:

- For legacy Acti9 Smartlink Modbus devices, when Panel Server is unable to read the hardware version due to non-standard UTF-8 characters, a replacement character (�) is displayed at **Identification > Hardware revision** in the webpages. Previously the non-standard characters were not decoded and **No data** was displayed.

Limitations on wireless devices:

- Within a parent-child Panel Server gateway configuration, the modification of a contextualized setting of a device to the child Panel Server (for example, auxiliary position modified from SD to SDE) is not automatically reflected in the parent gateway. A manual update in the parent Panel Server is required to display modifications.
- Wireless indication auxiliary: the Panel Server does not manage alarm notification by email or to Schneider Electric cloud applications.
- PowerTag Control:
  - If a PowerTag Control device is connected to a child gateway:
    - No automatic discovery.
    - No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.

  NOTE: When manually adding a Modbus device, ensure that you select the correct device model from the Device list. The device model name includes information about the trip unit and connection interface or module.

Firmware Version 001.010.000

New Features

- Data publication through HTTPS, with public certificate authority.
- Security improvement for Panel Server claiming from EcoStruxure Energy Hub: Claiming procedure uses device code in addition to serial number of Panel Server. The device code is available with the serial number:
  - By flashing the QR code on the front face of the Panel Server
  - on the Panel Server webpages with Panel Server identification data
- For PowerTag C I/O devices, send a schedule for output control from cloud. Once received and running, the function allows the Panel Server to remotely execute scheduled control orders, even if the connection to cloud is interrupted.
- Improvement in management of remote configurations sent from a cloud application: For invalid configurations, an error is logged in the auto-diagnostic file and feedback is sent to the cloud application to improve troubleshooting.
- After publishing a topology to the Schneider Electric cloud and receiving the associated remote configuration, the Panel Server displays the following information at **Settings > Data publication > Topology**:
  - Last remote configuration status
  - Last successful remote configuration date
- For PowerTag devices, addition of reset of energy counters from **Energy** widget in **Monitoring & Control** page, with confirmation popup message.
- New measurements added for applicable wireless devices:
  - Active power demand
  - Peak active power demand with date and time of occurrence
  - Reset of peak active power demand
    - per device on the device page at **Monitoring & Control**
    - for all associated devices at **Settings > Wireless devices > Measurements management**
- Demand calculation time interval can be set at **Settings > Wireless devices > Measurements management**
- Panel Server webpage user experience improvements
  - In the **Monitoring & Control** page, only measurements relevant to the selected device are displayed in **Advanced data** tab, to improve readability
  - In the **Maintenance** page, the Panel Server serial number is displayed when Schneider Electric Customer Care Center is authorized to access the Panel Server remotely.
  - Triangular ‘No data’ icon replaced with standard warning icon.
- Diagnostic logs improved for better debugging experience

Performance and Limitations

General Performance and Limitations

- Web browser Mozilla Firefox not supported
- Wi-Fi function available through a connection to a Wi-Fi infrastructure only. Access point function not available.

- Keep firmware up to date in order to allow the Schneider Electric Customer Care Center to remotely access the Panel Server webpages. Remote access certificate validity is as follows:
  - Panel Server Firmware version 001.008.000: certificate valid until 23 July 2024
  - Panel Server Firmware version 001.009.000: certificate valid until 16 October 2024
  - Panel Server Firmware version 001.010.000: certificate valid until 20 January 2025

  For more information about Firmware Update, refer to DOCA0172•• *EcoStruxure Panel Server - User Guide*, page 6.

Limitations on Publication

- When exporting CSV files to SFTP or HTTPS servers, an excessively large volume of data can result in empty export files. Reduce the publication period and perform the export again.
- When SFTP or HTTPS publication is enabled, alarms are displayed in the Panel Server webpages but are not published on SFTP or HTTPS servers.
- Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.

Limitations on Data Sampling, Data Logging and Alarming

- The number of individual data points that can be sampled simultaneously is limited to 5 000 and limited to a flow of 500 data points per minute.
- The number of individual alarms that can be configured for monitoring and sending an email notification is limited to 100.

Limitations on Specific Devices

Limitations on wireless devices:

- Within a parent-child Panel Server gateway configuration, the modification of a contextualized setting of a device to the child Panel Server (for example, auxiliary position modified from SD to SDE) is not automatically reflected in the parent gateway. A manual update in the parent Panel Server is required to display modifications.
- Wireless indication auxiliary: the Panel Server does not manage alarm notification by email or to Schneider Electric cloud applications.
- PowerTag Control:
  - If a PowerTag Control device is connected to a child gateway:
    - No automatic discovery.
    - No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.

Firmware Version 001.009.000

New Features

- When data publication is activated by any method, the last month of sampled data is published by the method selected.
- The communication period of a wireless device can be set either at the family device level (for example, for all sensors) or individually, device by device to provide better granularity. For Energy-related wireless devices, it is possible to individually set 2 seconds as the communication period.
- Output control from cloud: this function allows you to manage remote output control orders from a cloud application to a PowerTag Control IO device paired to the Panel Server. You can enable or disable the function in the Panel Server webpages.
- Improvement in handling of incorrect remote configuration. On reception, the remote configuration is pre-parsed and errors are stored in the logs.

  If the Panel Server cannot execute the incorrect configuration, the Panel Server stops data publication to allow the cloud application to check the logs and retrieve the details. The cloud service icon is orange.
- Panel Server webpage user experience improvements:
  - In the **Monitoring & Control** pages, the following improvements are available:
    - In the **Advanced data** page, after automatic refresh, the table display maintains current view instead of reverting to top of table.
    - In the **Advanced data** page, active energy data is displayed in the first data columns for improved visibility.
    - Column sorting is available by clicking the icon in the header row of each column:

       Data in column can be sorted

       Data in column is sorted in descending alphabetical or numerical order

       Data in column is sorted in ascending alphabetical or numerical order
  - In **Maintenance > Device communication** status information is available for Input/Output of a wireless PowerTag Control device.
  - In all pages where settings can be changed, the exit popup message offers the choice of continuing with or without saving setting changes.
  - Energy units displayed more consistently:
    - In **Monitoring & Control** overview page and on the widgets page (available by clicking on a device):
      - ◊ Active energy is displayed in KWh, with no decimals.
      - ◊ Apparent energy is displayed in KVah, with no decimals.
      - ◊ Reactive energy is displayed in KVarh, with no decimals.
  - Improvement in screen display: when clicking away from a pre-selected device view, the view is maintained on returning to that screen.

Performance and Limitations

General Performance and Limitations

- Web browser Mozilla Firefox not supported

- Wi-Fi function available through a connection to a Wi-Fi infrastructure only. Access point function not available.
- Keep firmware up to date in order to allow the Schneider Electric Customer Care Center to remotely access the Panel Server webpages. Remote access certificate validity is as follows:
  - Panel Server Firmware version 001.007.000: certificate valid until 5 May 2024.
  - Panel Server Firmware version 001.008.000: certificate valid until 23 July 2024
  - Panel Server Firmware version 001.009.000: certificate valid until 16 October 2024

  For more information about Firmware Update, refer to DOCA0172EN *EcoStruxure Panel Server - User Guide*.

Limitations on Publication

- When SFTP publication is enabled, alarms are displayed in the Panel Server webpages but are not published on SFTP Server.
- Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.

Limitations on Data Sampling, Data Logging and Alarming

- The number of individual data points that can be sampled simultaneously is limited to 5 000 and limited to a flow of 500 data points per minute.
- The number of individual alarms that can be configured for monitoring and sending an email notification is limited to 100.

Limitations on Specific Devices

Limitations on wireless devices:

- Within a parent-child Panel Server gateway configuration, the modification of a contextualized setting of a device to the child Panel Server (for example, auxiliary position modified from SD to SDE) is not automatically reflected in the parent gateway. A manual update in the parent Panel Server is required to display modifications.
- Wireless indication auxiliary: the Panel Server does not manage alarm notification by email or to Schneider Electric cloud applications.
- PowerTag Control:
  - If a PowerTag Control device is connected to a child gateway:
    - No automatic discovery.
    - No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.

Firmware Version 001.008.000

New Features

- Improvement in commissioning of wireless PowerTag Energy devices
- Wireless PowerTag Control devices:
  - Full integration of following devices:
    - PowerTag C IO 230V digital input output module (A9XMC1D3)
    - PowerTag C 2DI 230V digital input module (A9XMC2D3)
  - Enable/disable local control from webpages
- Data sampling: popup message is displayed in the webpages when number of sampled data of paired Modbus or wireless devices is close to 90% of or exceeds the system sampling limit. Recommended action is provided.
- Webpage user experience improved:
  - **Monitoring and Control** menu: all digits of energy data values are displayed (scientific notation no longer used)

Performance and Limitations

- Limitation on SFTP publication - CSV file content not consistent over firmware releases:
  - When using the custom I/O contexualization of a Pulse counter device connected to the embedded input of the Panel Server, the format of the CSV files published through SFTP is not consistent with the format seen with firmware version 001.006.000. To see the data label **IoCountMeasurement** in your CSV scripts, enter *IoCountMeasurement* in the **Consumption meter element name** field on the Panel Server web pages at **Settings > Embedded input management**.
  - The above limitation and work-around also apply to a Pulse counter device connected downstream to the I/O Smart Link device.
- Web browser Mozilla Firefox not supported
- General performance and limitations:
  - When SFTP publication is enabled, alarms are displayed in the Panel Server webpages but are not published on SFTP Server.
  - Wi-Fi function available through a connection to a Wi-Fi infrastructure only. Access point function not available.
  - Keep firmware up to date in order to allow the Schneider Electric Customer Care Center to remotely access the Panel Server webpages. Remote access certificate validity is as follows:
    - Panel Server Firmware version 001.006.000: certificate valid until 28 January 2024.
    - Panel Server Firmware version 001.007.000: certificate valid until 5 May 2024.
    - Panel Server Firmware version 001.008.000: certificate valid until 23 July 2024

    For more information about Firmware Update, refer to DOCA0172EN *EcoStruxure Panel Server - User Guide*.
- Limitations on logging and alarming:
  - The number of individual data points that can be sampled is limited to 5 000 and limited to a flow of 500 data points per minute.
  - The number of individual alarms that can be configured for monitoring and sending an email notification is limited to 100.
- Limitations on wireless devices:
  - Within a parent-child Panel Server gateway configuration, the modification of a contextualized setting of a device to the child Panel Server (for example, auxiliary position modified from SD to SDE) is not automatically reflected in the parent gateway. A manual update in the parent Panel Server is required to display modifications.
  - Wireless indication auxiliary: the Panel Server does not manage alarm notification by email or to Schneider Electric cloud applications.
  - PowerTag Control:
    - If a PowerTag Control device is connected to a child gateway:
      - ◊ No automatic discovery.
      - ◊ No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.
    - Pairing process to be followed:
      1. Pair the PowerTag Control devices if any in the configuration (all the other wireless devices must be unpowered).
      2. Pair the PowerLogic HeatTag sensors if any in the configuration.
      3. Pair PowerLogic PD100 if any in the configuration.
      4. Pair the other wireless devices.

- Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.

Firmware Version 001.007.000

New Features

- Improved support of wireless indication auxiliary (LV429453, LV429454) through Panel Server webpages:
  - Contextualization
  - Accurate monitoring
- Webpages improved:
  - Responsive display of **General** pages
  - Addition of warning messages and tool-tips

General Features

The following table presents the availability of general features on Panel Server Entry in firmware version 001.007.000.

● Available

● Not available

General features		Availability
Functionality	Connection to Edge Control (EcoStruxure Power Monitoring Expert, EcoStruxure Power Operation, EcoStruxure Building Operation, any Building Management System, or third-party monitoring or supervision system)	●
Wi-Fi	2.4 GHz	●
	5 GHz	●
IEEE 802.15.4 communication	Up to 20 wireless devices as combination of: • PowerTag Energy sensors • PowerLogic Tag energy sensors • Acti9 Active • wireless indication auxiliaries for ComPacT and PowerPacT circuit breakers • wireless CO_2 sensors • wireless temperature and humidity sensors • PowerTag A • PowerTag Ambient • Easergy TH110/CL110 environmental sensors • PowerLogic HeatTag sensors	●
Human Machine Interface (HMI)	FDM128 Ethernet display	●
	PowerTag Link display	●
Configuration	User management by single user account	●
	User management by multiple users with Role-Based Access Control (RBAC)	●
Alarms	Publication of alarms related to: • Communication issue between a device and Panel Server when available from the end devices • The three levels of alarms from HeatTag sensors	●
Protocols	Modbus TCP/IP server	●
	DHCP client	●
	DHCP server	●

General features		Availability
	DPWS server	●
	HTTPS	●
	SFTP client	●
Data export	Panel Server webpages for publication on SFTP server	●
	Publication on Schneider Electric cloud by using Panel Server webpages	●

Commissioning and Monitoring Features

The following table presents the availability of commissioning and monitoring features on Panel Server Entry in firmware version 001.007.000.

● Available

● Not available

Commissioning and monitoring features		Availability
Firmware update	Applied to one Panel Server gateway by using EcoStruxure Power Commission software	●
	Applied to one Panel Server gateway by using Panel Server webpages	●
	Applied to several Panel Server gateways by using EcoStruxure Power Commission software	●
	Applied to several Panel Server gateways by using Panel Server webpages	●
Backup restore	Backup restore on a Panel Server of the same model by using EcoStruxure Power Commission software	●
	Backup restore on a Panel Server of the same model by using Panel Server webpages	●
Configuration	Configuration by using EcoStruxure Power Commission software	●
	Ethernet configuration for upstream communication by using Panel Server webpages	●
	Selective pairing of wireless devices by using EcoStruxure Power Commission software	●
	Selective pairing of wireless devices by using Panel Server webpages	●
Monitoring	Display of data of the supported devices (see commercial references in Supported Devices) by using Panel Server webpages	●
	Diagnostic by using Panel Server webpages	●

Performance and Limitations

- Performance and limitations on Panel Server Entry:
  - When SFTP publication is enabled, alarms are displayed in the Panel Server webpages but are not published on SFTP Server.
  - The typical response time to Modbus TCP/IP request for a wireless IEEE 802.15.4 device is 30 ms.
  - The maximum response time to Modbus TCP/IP request for a wireless IEEE 802.15.4 device is 1 s, set up Modbus/TCP client timeout accordingly.
  - Wi-Fi function available through a connection to a Wi-Fi infrastructure only. Access point function not available.
  - A few device identification data of the aggregated devices connected downstream a Smartlink SI B or Smartlink SI D (such as I/O Smart Link or wireless devices) are displayed in the Panel Server webpage if those data are configured and commissioned from the Smartlink SI B or Smartlink SI D webpage.
  - Keep firmware up to date in order to allow the Schneider Electric Customer Care Center to remotely access the Panel Server webpages. Remote access certificate for firmware version 001.006 .000 is valid until 28 January 2024.

    For more information about Firmware Update, refer to DOCA0172EN *EcoStruxure Panel Server - User Guide*.
- Limitations on sampling and publishing for Schneider Electric cloud applications:
  - The number of individual data points that can be sampled is limited to 2,000 and limited to a flow of 500 data points per minute.
  - The number of individual alarms that can be configured for monitoring is limited to 100.

- Limitations on wireless devices:
  - PowerTag Control:
    - Feedback loop in contactor mode is not supported.
    - Configuration in impulse relay mode is not supported.
    - If a PowerTag Control device is connected to a child gateway:
      - ◊ No automatic discovery.
      - ◊ No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.
      - ◊ No control function is available through the Panel Server webpages.
      - ◊ Pairing process to be followed:
        1. Pair the PowerTag Control devices if any in the configuration (all the other wireless devices must be unpowered).
        2. Pair the PowerLogic HeatTag sensors if any in the configuration.
        3. Pair PowerLogic PD100 if any in the configuration.
        4. Pair the other wireless devices.
  - PowerTag Display: not supported by Panel Server Entry.
  - Limitations on Modbus circuit breakers
    - Panel Server does not support MicroLogic 2.0 E.

      MicroLogic 7.0 E is partially supported.

      MicroLogic 5.0 E and 6.0 E are supported.
    - Panel Server does not support multiple Modbus/TCP connections to MicroLogic command interface when the MicroLogic is connected under an IFM interface.
  - Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.

    NOTE: If the Panel Server is rebooted before sending the topology, all devices should be connected while rebooting to enable the correct topology publication. In the case of a parent/child configuration, devices should have connected status on the parent device.
  - Limitations on custom model for wireless devices connected under a child gateway: if a custom model uses the same name as a predefined model and devices are already associated with the predefined model, follow this procedure to load the custom model:
    1. Decommission any device already associated with the predefined model.
    2. Load the custom model in the Panel Server.
    3. Reboot the Panel Server.
    4. Associate the devices with the newly loaded custom model.
    5. Publish the topology in case of use of the Panel Server with a Schneider Electric cloud application such EcoStruxure Asset Advisor or EcoStruxure Resource Advisor.

Firmware Version 001.006.000

Description

Firmware initial version for EcoStruxure Panel Server Entry.

General Features

The following table presents the availability of general features on Panel Server Entry in firmware version 001.006.000.

● Available

● Not available

General features		Availability
Functionality	Connection to Edge Control (EcoStruxure Power Monitoring Expert, EcoStruxure Power Operation, EcoStruxure Building Operation, any Building Management System, or third-party monitoring or supervision system)	●
Wi-Fi	2.4 GHz	●
	5 GHz	●
IEEE 802.15.4 communication	Up to 20 wireless devices as combination of: • PowerTag Energy sensors • PowerLogic Tag energy sensors • Acti9 Active • wireless indication auxiliaries for ComPacT and PowerPacT circuit breakers • wireless CO_2 sensors • wireless temperature and humidity sensors • PowerTag A • PowerTag Ambient • Easergy TH110/CL110 environmental sensors • PowerLogic HeatTag sensors	●
Human Machine Interface (HMI)	FDM128 Ethernet display	●
	PowerTag Link display	●
Backup restore	Backup and Panel Server configuration restore by using Panel Server webpages and EcoStruxure Power Commission software	●
Configuration	User management by single user account	●
	User management by multiple users with Role-Based Access Control (RBAC)	●
Alarms	Publication of alarms related to: • Communication issue between a device and Panel Server when available from the end devices • The three levels of alarms from HeatTag sensors	●
Protocols	Modbus TCP/IP server	●
	DHCP client	●
	DHCP server	●
	DPWS server	●
	HTTPS	●

General features		Availability
	SFTP client	●
Data export	Panel Server webpages for publication on SFTP server	●
	Publication on Schneider Electric cloud by using Panel Server webpages	●

Commissioning and Monitoring Features

The following table presents the availability of commissioning and monitoring features on Panel Server Entry in firmware version 001.006.000.

● Available

● Not available

Commissioning and monitoring features		Availability
Firmware update	Applied to one Panel Server gateway by using EcoStruxure Power Commission software	●
	Applied to one Panel Server gateway by using Panel Server webpages	●
	Applied to several Panel Server gateways by using EcoStruxure Power Commission software	●
	Applied to several Panel Server gateways by using Panel Server webpages	●
Backup restore	Backup restore on a Panel Server of the same model by using EcoStruxure Power Commission software	●
	Backup restore on a Panel Server of the same model by using Panel Server webpages	●
Configuration	Configuration by using EcoStruxure Power Commission software	●
	Ethernet configuration for upstream communication by using Panel Server webpages	●
	Selective pairing of wireless devices by using EcoStruxure Power Commission software	●
	Selective pairing of wireless devices by using Panel Server webpages	●
Monitoring	Display of data of the supported devices (see commercial references in Supported Devices) by using Panel Server webpages	●
	Diagnostic by using Panel Server webpages	●

Performance and Limitations

- Performance and limitations on Panel Server Entry:
  - When SFTP publication is enabled, alarms are displayed in the Panel Server webpages but are not published on SFTP Server.
  - The typical response time to Modbus TCP/IP request for a wireless IEEE 802.15.4 device is 30 ms.
  - The maximum response time to Modbus TCP/IP request for a wireless IEEE 802.15.4 device is 1 s, set up Modbus/TCP client timeout accordingly.
  - Wi-Fi function available through a connection to a Wi-Fi infrastructure only. Access point function not available.

- Limitations on sampling and publishing for Schneider Electric cloud applications:
  - The number of individual data points that can be sampled is limited to 2,000 and limited to a flow of 500 data points per minute.
  - The number of individual alarms that can be configured for monitoring is limited to 100.
- Limitations on wireless devices:
  - PowerTag Control:
    - Feedback loop in contactor mode is not supported.
    - Configuration in impulse relay mode is not supported.
    - If a PowerTag Control device is connected to a child gateway:
      - ◊ No automatic discovery.
      - ◊ No data is published to the parent gateway. To be able to publish at the parent gateway level, a custom model has to be developed for the parent gateway.
      - ◊ No control function is available through the Panel Server webpages.
      - ◊ Pairing process to be followed:
        1. Pair the PowerTag Control devices if any in the configuration (all the other wireless devices must be unpowered).
        2. Pair the PowerLogic HeatTag sensors if any in the configuration.
        3. Pair PowerLogic PD100 if any in the configuration.
        4. Pair the other wireless devices.
  - PowerTag Display: not supported by Panel Server Entry.
  - Limitations on topology publication to the Schneider Electric cloud: all the devices must be connected at least once to the Panel Server to enable the correct topology to be published to the Schneider Electric cloud.
  - Limitations on custom model for wireless devices connected under a child gateway: if a custom model uses the same name as a predefined model and devices are already associated with the predefined model, follow this procedure to load the custom model:
    1. Decommission any device already associated with the predefined model.
    2. Load the custom model in the Panel Server.
    3. Reboot the Panel Server.
    4. Associate the devices with the newly loaded custom model.
    5. Publish the topology in case of use of the Panel Server with a Schneider Electric cloud application such EcoStruxure Asset Advisor or EcoStruxure Resource Advisor.

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