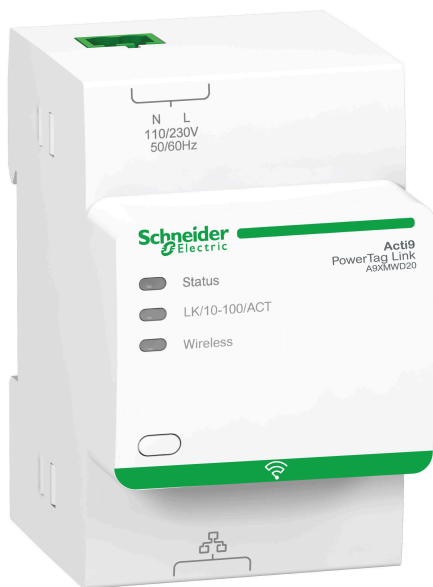# EcoStruxure™

PowerTag Link/PowerTag Link HD Gateways

Firmware Release Notes

EcoStruxure offers IoT-enabled architecture and platform.

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Schneider Electric

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Table of Contents

About the Book

Document Scope

This document provides users with the following information about PowerTag Link and PowerTag Link HD gateways:

- Firmware release history
- History of previous firmware versions

Validity Note

This document applies to the PowerTag Link and PowerTag Link HD gateways with firmware version 002.003.002.

Online Information

The information contained in this guide is likely to be updated at any time. Schneider Electric strongly recommends that you have the most recent and up-to-date version available on www.se.com/ww/en/download.

The technical characteristics of the devices described in this guide also appear online. To access the information online, go to the Schneider Electric home page at www.se.com.

Related Documents

Title of documentation	Publication date	Reference number
PowerTag Link Gateway – User Guide	06/2024	DOCA0157EN

You can download these technical publications and other technical information from our website at www.se.com/ww/en/download.

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.

PowerTag Link and PowerTag Link HD Gateways

PowerTag Link and PowerTag Link HD gateways are Ethernet connection concentrators (Modbus TCP/IP) for wireless devices with data display webpages.

The associated PowerTag energy sensors allow alarms to be managed through email for terminal loads, and energy, power, current, and voltage to be measured accurately in real time.

The associated PowerTag control modules are designed to monitor a circuit and to notify in wireless mode to the concentrator about the information status of a contact (OF, SD, CT, or TL position indication).

The HeatTag is a smart wireless sensor for early detection of overheating wire connections or overheating cables. It helps to prevent electrical distribution switchboards from being damaged by analyzing gas and micro-particles in the air of the switchboard and sending alerts before any smoke or insulator browning.

The PowerTag Link display is the wireless local HMI of the PowerTag system. The PowerTag Link display combined with the PowerTag Link gateway can monitor the energy locally into any electrical distribution system. The values collected by the wireless energy sensors (current, voltage, power factor, power, and energy) are displayed on the front door of your electrical panel.

To go further, the PowerTag Link display gives alarms locally. Therefore, it helps to improve your operational efficiency, and to reduce the impact of downtime.

The entire system can be easily installed in the existing low voltage equipments using Multi9, Acti9, or ComPacT NSX circuit breakers.

Firmware Release History

The following table indicates the availability of each firmware version for PowerTag Link and PowerTag Link HD gateways. There is no compatibility issue between the latest firmware version with the previous versions.

Date	Firmware version	Availability
July 2024	002.003.002	Latest commercial release
June 2024	002.003.000	Obsolete
June 2023	002.002.005	Obsolete
February 2023	002.002.002	Obsolete
June 2021	002.001.005	Obsolete
January 2021	002.000.004	Obsolete
September 2020	001.008.007	Obsolete
April 2020	001.006.007	Obsolete
July 2019	001.004.005	Obsolete
January 2019	001.002.001	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 of EcoStruxure Power Commission (EPC) software to update the device with the latest firmware version available.

Click here for the latest version of EPC software.

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

Firmware Versions

Firmware Version 002.003.002

Bug Fixed

Bug fixed in this firmware version:

- Cybersecurity vulnerabilities

Firmware Version 002.003.000

New Features

Enhancement in bidirectional energy data for:

- PowerTag Energy M63, P63, F63
- PowerTag Energy F160, M250/M630 and rope devices

Bugs Fixed

Bugs fixed in this firmware version:

- Miscellaneous corrections and quality improvements

Firmware Version 002.002.005

New Features

Replaced .pfx and .p12 certificates with .pem.

Bugs Fixed

Bugs fixed in this firmware version:

- Cybersecurity vulnerabilities
- Miscellaneous corrections

Vulnerability Fixed

Nano SSL: Risk of integer overflow or wraparound vulnerability that may lead to a denial of service of HTTPS communication

Firmware Version 002.002.002

New Features

Ability to manage the predefined alarm based on 45% of nominal current of the associated circuit breaker.

Bugs Fixed

Bugs fixed in this firmware version:
- Cybersecurity issues
- Miscellaneous corrections

Firmware Version 002.001.005

New Features

Enhancement in network security protocols:
- For webpage, only TLS 1.2 is supported.
- For Email SMTP, TLS 1.0, TLS 1.1, and TLS 1.2 are supported.

Bugs Fixed

Bugs fixed in this firmware version:
- Several cybersecurity issues
- Miscellaneous corrections

Firmware Version 002.000.004

New Features

New features in this firmware version:
- Integration of new device: HeatTag wireless sensor for early detection of overheating cables (SMT10020)
- Addition of synthesis tables

Bugs Fixed

Bugs fixed in this firmware version:
- Several cybersecurity issues
- Miscellaneous corrections

Firmware Version 001.008.007

New Features

New features in this firmware version:
- Integration of new devices:
  - PowerTag Energy Rope (A9MEM159●)
  - PowerTag Energy F160 (A9MEM1580)
  - PowerTag Link display (A9XMWRD)
- New design for Monitoring webpage

Bugs Fixed

Bugs fixed in this firmware version:
- Treck TCP/IP Vulnerabilities (Ripple20) documented in SEVD-2020-175-01
- Several cybersecurity issues
- Miscellaneous corrections

Firmware Version 001.006.007

New Features

New features in this firmware version:
- Security updates in support of:
  - Activate HTTPS per default
  - Account lockout mechanism
  - Internal cybersecurity initiative
- Integration of new devices: PowerTag energy sensors with commercial references A9MEM1573, A9MEM1564, and A9MEM1574.
- Wireless communication performances adjustment:
  - PowerTag Link gateway (A9XMWD20) can support up to 20 wireless devices, and up to 5 PowerTag control modules among them.
  - PowerTag Link HD gateway (A9XMWD100) can support up to 85 wireless devices, and up to 5 PowerTag control modules among them.

Bugs Fixed

Bugs fixed in this firmware version:
- Several cybersecurity issues
- Miscellaneous corrections

Firmware Version 001.004.005

New Features

New features in this firmware version:

- Integration of new devices: PowerTag control modules.
- Detailed configuration of PowerTag energy sensors including position and power supply.

Firmware Version 001.002.001

New Features

New features in this firmware version:

- Device Replacement (DR)
- Maximum demand and apparent power
- Firmware update through LAN (no need of peer-to-peer connection between EcoStruxure Power Commission software and PowerTag Link gateway).

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