

Schneider Electric Security Notification

Enerlin'X IFE and eIFE

11 February 2025

Overview

Schneider Electric is aware of vulnerabilities in its Enerlin'X IFE and Enerlin'X eIFE products.

The [Enerlin'X IFE and eIFE products](#) are used to enable Masterpact, PowerPact, and Compact circuit breakers to be connected to an Ethernet network.

Failure to apply the provided below may risk Denial of Service, which could result in an attack which leads to unavailability of the IEC61850 services of the IFE/eIFE products and needs a manual reboot.

Affected Products and Versions

Product	Version
Enerlin'X IFE interface (LV434001) Enerlin'X eIFE (LV851001)	All Versions

Vulnerability Details

CVE ID: **CVE-2025-0816**

CVSS v3.1 Base Score 6.5 | Medium | CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVSS v4.0 Base Score 7.1 | High | CVSS:4.0/AV:A/AC:L/AT:N/PR:N/UI:N/VC:N/VI:N/VA:H/SC:N/SI:N/SA:N

CWE-20: Improper Input Validation vulnerability exists that could cause Denial-of-Service of the product when malicious IPV6 packets are sent to the device.

CVE ID: **CVE-2025-0815**

CVSS v3.1 Base Score 6.5 | Medium | CVSS:3.1/AV:A/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

CVSS v4.0 Base Score 7.1 | High | CVSS:4.0/AV:A/AC:L/AT:N/PR:N/UI:N/VC:N/VI:N/VA:H/SC:N/SI:N/SA:N

CWE-20: Improper Input Validation vulnerability exists that could cause Denial-of-Service of the product when malicious ICMPV6 packets are sent to the device.

CVE ID: **CVE-2025-0814**

CVSS v3.1 Base Score 5.3 | Medium | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:L

CVSS v4.0 Base Score 6.9 | Medium | CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N

CWE-20: Improper Input Validation vulnerability exists that could cause Denial-of-Service of the network services running on the product when malicious IEC61850-MMS packets are sent to the device. The core functionality of the breaker remains intact during the attack.

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The severity of vulnerabilities was calculated using the CVSS Base metrics for 4.0 ([CVSS v4.0](#)). CVSS v3.1 will be still evaluated until the adoption of CVSS v4.0 by the industry. The severity was calculated without incorporating the Temporal and Environmental metrics. Schneider Electric recommends that customers score the CVSS Environmental metrics, which are specific to end-user organizations, and consider factors such as the presence of mitigations in that environment. Environmental metrics may refine the relative severity posed by the vulnerabilities described in this document within a customer's environment.

Remediation

Affected Product & Version	CVE	Remediation
Enerlin'X IFE and eIFE v004.009.000 and prior	CVE-2025-0814	Version 004.010.000 of Enerlin'X IFE and eIFE includes a fix for this vulnerability. Download the latest version of the EcoStruxure Power Commission tool available here: https://www.se.com/ww/en/product-range/62980-ecostruxure-power-commission/#overview to install the latest firmware version of the Enerlin'X IFE and eIFE.

Customers should use appropriate patching methodologies when applying these patches to their systems. We strongly recommend the use of back-ups and evaluating the impact of these patches in a Test and Development environment or on an offline infrastructure. Contact Schneider Electric's [Customer Care Center](#) if you need assistance removing a patch.

If customers choose not to apply the remediation provided above, they should immediately apply the following mitigations to reduce the risk of exploit:

Mitigations

Affected Product & Version	CVE	Mitigations
Enerlin'X IFE and eIFE All versions	CVE-2025-0815 CVE-2025-0816	Customers should immediately apply the following mitigations to reduce the risk of exploit: <ul style="list-style-type: none">• Use devices only in a protected environment to minimize network exposure and ensure that they are not accessible from public internet or untrusted networks.• Setup network segmentation and implement a firewall to block all unauthorized access to ports supported by the product and listed in the user guide: https://www.se.com/ww/en/download/document/DOCA0084EN/ Configure the Access Control List following the recommendations of the Cybersecurity Guide: https://www.se.com/ww/en/download/document/DOCA0122EN/ and the

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		<p>user guide: https://www.se.com/ww/en/download/document/DOCA0084EN/</p> <p>To ensure you are informed of all updates, including details on affected products and remediation plans, subscribe to Schneider Electric's security notification service here: https://www.se.com/en/work/support/cybersecurity/security-notifications.jsp</p>
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General Security Recommendations

We strongly recommend the following industry cybersecurity best practices.

- Locate control and safety system networks and remote devices behind firewalls and isolate them from the business network.
- Install physical controls so no unauthorized personnel can access your industrial control and safety systems, components, peripheral equipment, and networks.
- Place all controllers in locked cabinets and never leave them in the "Program" mode.
- Never connect programming software to any network other than the network intended for that device.
- Scan all methods of mobile data exchange with the isolated network such as CDs, USB drives, etc. before use in the terminals or any node connected to these networks.
- Never allow mobile devices that have connected to any other network besides the intended network to connect to the safety or control networks without proper sanitation.
- Minimize network exposure for all control system devices and systems and ensure that they are not accessible from the Internet.
- When remote access is required, use secure methods, such as Virtual Private Networks (VPNs). Recognize that VPNs may have vulnerabilities and should be updated to the most current version available. Also, understand that VPNs are only as secure as the connected devices.

For more information refer to the Schneider Electric [Recommended Cybersecurity Best Practices](#) document.

For More Information

This document provides an overview of the identified vulnerability or vulnerabilities and actions required to mitigate. For more details and assistance on how to protect your installation, contact your local Schneider Electric representative or Schneider Electric Industrial Cybersecurity Services:

<https://www.se.com/ww/en/work/solutions/cybersecurity/>. These organizations will be fully aware of this situation and can support you through the process.

For further information related to cybersecurity in Schneider Electric's products, visit the company's cybersecurity support portal page: <https://www.se.com/ww/en/work/support/cybersecurity/overview.jsp>

LEGAL DISCLAIMER

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About Schneider Electric

Schneider’s purpose is to **create Impact** by empowering all **to make the most of our energy and resources**, bridging progress and sustainability for all. We call this Life Is On.

Our mission is to be the trusted partner in **Sustainability and Efficiency**.

We are a **global industrial technology leader** bringing world-leading expertise in electrification, automation and digitization to smart **industries**, resilient **infrastructure**, future-proof **data centers**, intelligent **buildings**, and intuitive **homes**. Anchored by our deep domain expertise, we provide integrated end-to-end lifecycle AI enabled Industrial IoT solutions with connected products, automation, software and services, delivering digital twins to enable profitable growth **for our customers**.

We are a **people company** with an ecosystem of 150,000 colleagues and more than a million partners operating in over 100 countries to ensure proximity to our customers and stakeholders. We embrace **diversity and inclusion** in everything we do, guided by our meaningful purpose of a **sustainable future for all**.

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Revision Control:

Version 1.0.0 11 February 2025	Original Release
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