

# Schneider Electric Security Notification

## PowerLogic ION8650, PowerLogic ION8800

14 November 2023 (12 December 2023)

### Overview

Schneider Electric is aware of multiple vulnerabilities in its PowerLogic ION8650 and PowerLogic ION8800 products.

The [PowerLogic](#) products are revenue and power quality meters for utility electrical network monitoring.

Failure to apply the mitigations provided below may risk an attacker with administrative privileges installing compromised firmware on the device, resulting in modified device behavior, or modifying webpages on the device in a malicious way, which could result in other viewers of that webpage being exposed to a cross-site scripting attack.

**December 2023 Update:** We have added supplementary information in the vulnerability details and mitigations for CVE-2023-5984.

### Affected Products and Versions

Product	Version
ION8650, ION8800	All versions

### Vulnerability Details

CVE ID: **CVE-2023-5984**

CVSS v3.1 Base Score 7.2 | High | CVSS:3.1/AV:N/AC:L/PR:H/UI:N/S:U/C:H/I:H/A:H

A *CWE-494 Download of Code Without Integrity Check* vulnerability exists that could allow modified firmware to be uploaded when an authorized admin user begins a firmware update procedure which could result in full control over the device.

CVE ID: **CVE-2023-5985**

CVSS v3.1 Base Score 4.8 | Medium | CVSS:3.1/AV:N/AC:L/PR:H/UI:R/S:C/C:L/I:L/A:N

A *CWE-79 Improper Neutralization of Input During Web Page Generation* vulnerability exists that could cause compromise of a user's browser when an attacker with admin privileges has modified system values.

*Note regarding vulnerability details: The severity of vulnerabilities was calculated using the CVSS Base metrics in version 3.1 ([CVSS v3.1](#)) 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*

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*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.*

### Mitigations

Customers should immediately apply the following mitigations to reduce the risk of exploit:

Affected Product & Version	Mitigations	CVE
<b>ION8650 ION8800</b> <i>All versions</i>	If you are upgrading your device, ensure you download the firmware from SE.com using the official links: ( <a href="#">ION 8650</a> , <a href="#">ION 8800</a> ).	CVE-2023-5984
<b>ION8650 ION8800</b> <i>All versions</i>	Ensure that the device firmware is up to date, and the web service is disabled if not required for operation.	CVE-2023-5985

For additional assistance please contact the [customer care center](#).

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>

### 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.

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- 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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Schneider's purpose is to empower 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 your digital partner for Sustainability and Efficiency.

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We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure and industries.

We are the most local of global companies. We are advocates of open standards and partnership ecosystems that are passionate about our shared Meaningful Purpose, Inclusive and Empowered values.

[www.se.com](http://www.se.com)

### Revision Control:

<b>Version 1.0.0</b> 14 November 2023	Original Release
<b>Version 1.1.0</b> 12 December 2023	We have added supplementary information in the vulnerability details and mitigations for CVE-2023-5984.