Schneider Electric Security Notification

Modicon M340 Controller

13 August 2019

Overview

Schneider Electric is aware of a vulnerability in the Modicon M340 controller product.

Affected Product(s)

Modicon M340 controller - all firmware versions.

Vulnerability Details

CVE ID: **CVE-2019-6813**

CVSS v3.0 Base Score 7.5 | (High) | CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

A CWE-754: Improper Check for Unusual or Exceptional Conditions vulnerability exists which could cause denial of service when truncated SNMP packets on port 161/UDP are received by the device.

Remediation

Customers are strongly encouraged to implement the following workarounds and mitigations to reduce the risk:

- Setup network segmentation and implement a firewall to block all unauthorized access to SNMP port 161/UDP

Product Information

The Modicon M340 Controller is an Ethernet Programmable Automation Controller for industrial process and infrastructure

Product Category - All Categories

Learn more about Schneider Electric's product categories here: www.schneider-electric.us/en/all-products

How to determine if you are affected

Schneider Electric Security Notification

Modicon M340 connected to an Ethernet network

General Security Recommendations

We strongly recommend following industry cybersecurity best practices such as:

- Locate control and safety system networks and remote devices behind firewalls, and isolate them from the business network.
- Physical controls should be in place so that no unauthorized person would have access to the ICS and safety controllers, peripheral equipment or the ICS and safety networks.
- All controllers should reside in locked cabinets and never be left in the "Program" mode.
- All programming software should be kept in locked cabinets and should never be connected to any network other than the network for the devices that it is intended.
- All methods of mobile data exchange with the isolated network such as CDs, USB drives, etc. should be scanned before use in the terminals or any node connected to these networks.
- Laptops that have connected to any other network besides the intended network should never be allowed to connect to the safety or control networks without proper sanitation.
- Minimize network exposure for all control system devices and/or 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), recognizing that VPNs may have vulnerabilities and should be updated to the most current version available. Also recognize that VPN is only as secure as the connected devices.

Acknowledgements

Schneider Electric recognizes the following researcher(s) for identifying and helping to coordinate a response to this vulnerability:

CVE	Researcher(s) Name
CVE-2019-6813	VAPT Team (C3i IITK, UP, India)

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, please contact your local Schneider Electric representative and/or Schneider Electric Industrial

Cybersecurity Services. These organizations will be fully aware of this situation and can support you through the process.

https://www.schneider-electric.com/en/work/support/cybersecurity/overview.jsp

 https://www.schneider-electric.com/en/work/services/field-services/industrial-automation/industrial-cybersecurity/industrial-cybersecurity.jsp

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Revision Control:

Version 1 13 August 2019	Original Release