Product Advisory

Product Family:	Stride Modbus Field I/O	**Number:**	PA-COM-006
Part Numbers:	See Affected Part Numbers table below	**Date Issued:**	07/13/2022
Subject:	Stride Modbus Field I/O with security vulnerability	**Revision:**	A

Purpose

This Product Advisory is related to Cyber Security and is intended to notify customers of a software or firmware vulnerability and provide details on which products are impacted, how to mitigate the vulnerability or offer workarounds that can minimize the potential risk as much as possible.

Affected Products

Hardware: Stride Modbus Field I/O products with the following part numbers:

Part Number	Products and Affected Versions
SIO-MB04RTDS	Firmware version prior to v8.3.4.0
SIO- MB04ADS	Firmware version prior to v8.4.3.0
SIO-MB04THMS	Firmware version prior to v8.5.4.0
SIO-MB08ADS-1	Firmware version prior to v8.6.3.0
SIO-MB08ADS-2	Firmware version prior to v8.7.3.0
SIO-MB08THMS	Firmware version prior to v8.8.4.0
SIO-MB04DAS	Firmware version prior to v8.11.3.0
SIO-MB12CDR	Firmware version prior to v8.0.4.0
SIO-MB16CDD2	Firmware version prior to v8.1.4.0
SIO-MB16ND3	Firmware version prior to v8.2.4.0

The following modules with the listed B/N number have a firmware update issue and will have to be returned to AutomationDirect for replacement modules. You can create an RMA here: https://www.automationdirect.com/myaccount/returns.

Part Number	Batch Number (B/N)
SIO-MB12CDR	B/N 5714442222
SIO- MB04ADS	B/N 5714442222
SIO-MB04THMS	B/N 57141862221
SIO-MB04DAS	B/N 4714432222

Summary

AutomationDirect is aware of vulnerabilities in the products listed above:

Vulnerability Type:

Password access: Any attempt (good or bad) to log into the devices listed above with a web browser would result in the device responding with its password in the communication packets.

Vulnerability Classification

AutomationDirect rates the severity level of the Vulnerabilities with a CVSS score of High.

Tech Support 770-844-4200

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Remediation

Remediation for Password access: Upgrade the Stride Modbus Field I/O units listed in the Affected Products section with the firmware associated with the part number.

Firmware can be downloaded from the following link:
https://www.automationdirect.com/support/software-downloads?firmware=Stride%20Field%20IO

Mitigations

While Automation Networks and Systems have built-in password protection schemes, this is only one very small step in securing your systems. Automation Control System Networks need to incorporate data protection and security measures that are at least as robust as a typical business computer system. We recommend that users of PLCs, HMI products and SCADA systems perform your own network security analysis to determine the proper level of security required for you application.

AutomationDirect has identified the specific mitigation actions listed below:

- Secure physical access
- Isolate and air gap networks when possible.

Please follow the security considerations in the following document:
https://support.automationdirect.com/docs/securityconsiderations.pdf

Product Description

The Stride Modbus Field I/O modules were released by AutomationDirect as an alternative field device for adding inputs and outputs to industrial control systems. The product line was released in January of 2020.

Technical Assistance

If you have any questions regarding this Product Advisory, please contact Technical Support at 770-844-4200 or 800-633-0405 for further assistance.