



Firmware for SDS-3000, SDS-G3000 Series Release Notes

Version: v3.2	Build: 25042315
Release Date: May 23, 2025	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Added the MECHATROLINK-4 configuration option to the web interface and DIP switch.

Enhancements

- Added support for the standard MRP MIB library.

Bugs Fixed

- [CVE-2025-1680] An open redirect vulnerability occurs when an application allows a user to control a redirect or forward to another URL.

Changes

N/A

Notes

N/A



Version: v3.1	Build: 25022018
Release Date: Mar 18, 2025	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

- [CVE-2024-7695] An out-of-bounds write vulnerability caused by insufficient input validation allows attackers to overwrite memory beyond the buffer's bounds.
- [CVE-2024-9404] Due to insufficient input validation, exploitation of the moxa_cmd service could lead to denial-of-service or service crashes.
- [CVE-2024-9137] Attackers could execute specified commands to perform unauthorized downloads or uploads of configuration files and compromise the system.
- [CVE-2024-12297] Frontend authorization logic disclosure vulnerability.
- After rebooting the switch, the system name is deleted in PROFINET applications.
- The switch cannot be accessed through the management VLAN with certain VLAN configurations.

Changes

N/A

Notes

N/A



Version: v3.0	Build: 24070920
Release Date: Sep 30, 2024	

Applicable Products

SDS-3006 Series, SDS-3008 Series, SDS-3010 Series, SDS-3016 Series, SDS-G3006 Series, SDS-G3008 Series, SDS-G3010 Series, SDS-G3016 Series

Supported Operating Systems

N/A

New Features

- Added support for the Trusted Access function.
- Added support for the Fiber Check function.
- Added support for Smart PoE features.

Enhancements

- For security reasons, the Modbus/TCP protocol is now disabled by default.
- Supports TLS v1.3.

Bugs Fixed

- [CVE-2015-9251] jQuery versions prior to v3.0.0 may be vulnerable to Cross-site Scripting attacks.
- [CVE-2019-11358] jQuery versions prior to v3.4.0 mishandle jQuery.extend because of Object.prototype pollution.
- [CVE-2020-11022] [CVE-2020-11023] jQuery versions later than v1.2 and prior to v3.5.0 may execute untrusted code when passing HTML from untrusted sources.

Changes

N/A

Notes

N/A



Version: v2.2	Build: N/A
Release Date: Sep 08, 2023	

Applicable Products

SDS-3008 Series, SDS-3016 Series

Supported Operating Systems

N/A

New Features

- Added support for the MRP Manager function.

Enhancements

- The SNMP protocol is now disabled by default to improve security.

Bugs Fixed

- Users are unable to enable or disable ports through EtherNet IP.
- The MRP status cannot be displayed after importing a GSD file.
- Importing a GSD file will show an error in the TIA portal.
- [CVE-2022-40691] A specially crafted HTTP request can lead to disclosure of sensitive information.
- [CVE-2022-40224] A specially-crafted HTTP message header can lead to denial of service.

Changes

- Removed the recommended browser notice from the web interface.

Notes

N/A



Version: v2.1	Build: FWR_SDS3000_V2.
Release Date: May 06, 2021	

Applicable Products

SDS-3016 Series, SDS-3008 Series

Supported Operating Systems

N/A

New Features

- Adds support for MXview v3.2.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v2.0	Build: N/A
Release Date: Mar 31, 2021	

Applicable Products

SDS-3016 Series, SDS-3008 Series

Supported Operating Systems

N/A

New Features

- Add SDS-3016 Series.
- Web-based GUI for port diagnostics with statistics to detect and prevent issues.
- Supports MRP client redundancy based on IEC 62439-2 to ensure high network availability.
- IP port binding to ensure critical devices can be replaced quickly without reassigning the IP Address.
- Add QoS/DSCP for data priority.
- Static port lock to enhance network security.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.2	Build: FWR_SDS3008_V1.
Release Date: Jan 31, 2020	

Applicable Products

SDS-3008 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- [MSRV-2017-011][CVE-2019-6561] Supports browser cookie parameters “same-site” to eliminate CSRF attacks.

Bugs Fixed

- Login issue with Chrome v65.
- The system rebooted when SNMP GET with request ID=0.
- Log in issue after a new user was created in the multi-language webpage.
- [MSRV-2017-006][CVE-2019-6557] Buffer overflow vulnerabilities that may have allowed remote control.
- [MSRV-2017-007][CVE-2019-6522] An attacker could read device memory on arbitrary addresses.
- [MSRV-2017-009][CVE-2019-6565] No proper validation of user inputs, which allows users to perform XSS attacks.
- [MSRV-2017-011][CVE-2019-6561] CSRF attacks were possible if browser cookie parameters were not correct.
- [MSRV-2017-012][CWE-121] A stack-based buffer overflow condition whereby the buffer that was being overwritten was allocated on the stack.

Changes

N/A

Notes

- MSRV is Moxa's internal security vulnerability tracking ID.



Version: v1.1	Build: Build_17060809
Release Date: Aug 03, 2017	

Applicable Products

SDS-3008, SDS-3008-T

Supported Operating Systems

N/A

New Features

- Multi-language web GUI: English, Traditional Chinese, Simplified Chinese, Japanese, German, and French.

Enhancements

- Optimize web page loading performance.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.0	Build: Build_16122620
Release Date: N/A	

Applicable Products

SDS-3008, SDS-3008-T

Supported Operating Systems

N/A

New Features

- First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A