

Content

1. Firmware Release for 852-303 (V 1.2.8.S0) – 07.03.2024	2
1.1 System	2
1.2 Web Based Management	2
1.3 Fieldbus Protocols	2
1.4 Known limitations.....	2
2. Firmware Release for 852-303 (V 1.2.7.S0) – 20.09.2021	3
2.1 System	3
2.2 Fieldbus Protocols	3
2.3 Known limitations.....	3
3. Firmware Release for 852-303 (V 1.2.5.S0) – 28.04.2021	4
3.1 Features	4
3.2 System	4
3.3 Web Based Management	4
3.4 Fieldbus Protocols	4
3.5 Known limitations.....	5
4. Firmware Release for 852-303 (V 1.2.3.S0) – 20.11.2019	6
4.1 Features	6
4.2 System	6
4.3 Web Based Management	6
4.4 Fieldbus Protocols	6
5. Firmware Release for 852-303 (V 1.2.2.S0) – 11.06.2019	7
5.1 Features	7
5.2 System	7
5.3 Web Based Management	7
5.4 Fieldbus Protocols	7
6. Firmware Release for 852-303 (V 1.2.1.S0) – 26.07.2018	8
6.1 Features	8
6.2 System	8
6.3 Web Based Management	8
6.4 Fieldbus Protocols	8

1. Firmware Release for 852-303 (V 1.2.8.S0) – 07.03.2024

Affected articles / Available for			
Article Number	HW version	Designation	Firmware-Version
852-303	>=3	Industrial Managed Switch; 8 Ports 100Base-TX; 2-Slot 100BASE-FX / 1000BASE-SX/LX/ZX	V01.02.08.S0

When installing the firmware, please follow the instructions described in the installation guide!

1.1 System

- [FIXED] Security update in general
- [FIXED] Remove hardware monitoring parameter for temperature and voltage
- [FIXED] Increased robustness for high-frequency cable interruptions in the X-Press ring
- [FIXED] New information message for SSH link
- [FIXED] Improvement of the Modbus registers for ERPS values
- [FIXED] After downgrading it may cause the inability to enter http or https
- [FIXED] No username recorded in Syslog when using web GUI login failed
- [FIXED] Fixed timezone issue for remote syslog server and Email server

1.2 Web Based Management

- [UPDATE] Update of license page
- [FIXED] Wrong state after unblock the port in the Loop detection
- [FIXED] No count down web page when uploading the configuration file

1.3 Fieldbus Protocols

No updates

1.4 Known limitations

- [RESTRICTION] When cold-starting a switch in the redundant ring (ERPS, X-Press Ring), short communication interruptions may occur.
- [RESTRICTION] BPDU Filter cannot be set/unset by range via CLI.

2. Firmware Release for 852-303 (V 1.2.7.S0) – 20.09.2021

Affected articles / Available for			
Article Number	HW version	Designation	Firmware-Version
852-303	>=3	Industrial Managed Switch; 8 Ports 100Base-TX; 2-Slot 100BASE-FX / 1000BASE-SX/LX/ZX	V01.02.07.S0

When installing the firmware, please follow the instructions described in the installation guide!

2.1 System

- [FIXED] Modbus server deactivated after reset/cold start
- [FIXED] Brief disturbance of data traffic when a link is reconnected to the type normally Web Based Management.
- [FIXED] Blocking of both ring ports if ERPS has not yet been enabled on a connected switch in the ring during configuration of ERPS.

2.2 Fieldbus Protocols

No updates

2.3 Known limitations

- [RESTRICTION] When cold-starting a switch in the redundant ring (ERPS, X-Press Ring), short communication interruptions may occur.
- [RESTRICTION] BPDU Filter cannot be set/unset by range via CLI.

3. Firmware Release for 852-303 (V 1.2.5.S0) – 28.04.2021

Affected articles / Available for			
Article Number	HW version	Designation	Firmware-Version
852-303	>=3	Industrial Managed Switch; 8 Ports 100Base-TX; 2-Slot 100BASE-FX / 1000BASE-SX/LX/ZX	V01.02.05.S0

When installing the firmware, please follow the instructions described in the installation guide!

3.1 Features

[NEW] Increased performance due to the support of the 128 MB SDRAM installed in HW version 3 or higher.

3.2 System

[FIXED] Security Issue CVE-2021-20993, CVE-2021-20994, CVE-2021-20995, CVE-2021-20996, CVE-2021-20997 and CVE-2021-20998 are fixed.

[FIXED] Error message after activating the DHCP server for a certain time.

[FIXED] When DHCP IP and SNMP traps enabled, missing link-up trap after a cable is unplugged and plugged in again.

[FIXED] When IGMP enabled, learnt IGMP groups are not displayed in Multicast Statistics table.

[FIXED] When IPv6 ACL enabled, possible blocking of the IPv6 configuration mask and IPv6 communication after a reboot of the device.

[FIXED] Interaction between saving the configuration and jet ring.

3.3 Web Based Management

[NEW] Display of the Modbus registers in the Web Based Management.

[FIXED] Optimization of the security functions of the Web Based Management.

[FIXED] Ping function of the Web Based Management.

[FIXED] Dysfunction of the "Save configurations" button on the syslog and Modbus page.

3.4 Fieldbus Protocols

No updates



3.5 Known limitations

[RESTRICTION] When cold-starting a switch in the redundant ring (ERPS, X-Press Ring), short communication interruptions may occur.

4. Firmware Release for 852-303 (V 1.2.3.S0) – 20.11.2019

Affected articles / Available for		
Article Number	Designation	Firmware-Version
852-303	Industrial Managed Switch; 8 Ports 100Base-TX; 2-Slot 100BASE-FX / 1000BASE-SX/LX/ZX	V01.02.03.S0

4.1 Features

[FIXED] SSH connection issue from V1.2.2.S0.

[FIXED] ERPS compatibility issue with 852-1305/000-001 and 852-1505/000-001.

4.2 System

No updates

4.3 Web Based Management

No updates

4.4 Fieldbus Protocols

No updates

5. Firmware Release for 852-303 (V 1.2.2.S0) – 11.06.2019

Affected articles / Available for		
Article Number	Designation	Firmware-Version
852-303	Industrial Managed Switch; 8 Ports 100Base-TX; 2-Slot 100BASE-FX / 1000BASE-SX/LX/ZX	V01.02.02.S0

5.1 Features

- [NEW] Private MIB support storm-control and hardware function.
- [NEW] Add Ping function (CLI and Web Based Management).
- [NEW] ADD DHCPv4 Server.
- [NEW] Implement Jet-ring / ERPS-ring/ Xpress-ring events to syslog.

- [UPDATE] Improvement of Jet-ring feature with 750-352 (FW=14), 750-88x (FW=14), 750-820x and 750-810x (FW=12).
- [UPDATE] Improvement of ERPS enhancement feature with 750-352 (FW=14), 750-88x (FW=14), 750-820x and 750-810x (FW=12).
- [UPDATE] Improvement of authentication IEEE802.1X feature.

5.2 System

- [FIXED] Security Issue CVE-2019-12550, CVE-2019-12549 are fixed.

- [UPDATE] Update of Glibc- and BusyBox library.
- [UPDATE] The SSH key is generated automatically at the first startup of the system. After a reset to factory default, a new SSH key is generated.

5.3 Web Based Management

- [NEW] New look of Web Based Management.

- [UPDATE] Revision of the translation between English, German and Japanese.

5.4 Fieldbus Protocols

No updates

6. Firmware Release for 852-303 (V 1.2.1.S0) – 26.07.2018

Affected articles / Available for		
Article Number	Designation	Firmware-Version
852-303	Industrial Managed Switch; 8 Ports 100Base-TX; 2-Slot 100BASE-FX / 1000BASE-SX/LX/ZX	V01.02.01.S0

6.1 Features

- [NEW] Jet-Ring and ERPS enhancement mode support diagnostic via alarm relay.
- [NEW] Added new setting option (pps / bps) for the feature storm control.
pps=Packet per second
bps=Byte per second
- [UPDATE] Support UTF-8 encoding with Mail alarm.
- [UPDATE] Add CLI command "jet-ring learn-time <value>" for Jet-ring application.
- [UPDATE] Improvement of Jet-Ring feature in combination with 750-352 (FW=13), 750-88x (FW13), 750-820x (FW11-Patch 2) and 750-810x (FW11-Patch 2).
- [UPDATE] Improvement of ERPS enhanc.-feature in combination with 750-352 (FW=13), 750-88x (FW13), 750-820x (FW11-Patch 2) and 750-810x (FW11-Patch 2).
- [UPDATE] Improvement of port security feature. Optimize design for MAC learning by hardware.
- [FIXED] Authentication IEEE802.1X-feature is compatible with the Firmware 11 of 750-81xx and 750-82xx.

6.2 System

- [FIXED] Modify Voltage Threshold change to +/-6%.

6.3 Web Based Management

- [NEW] Allow user to enable or disable hardware monitor alarm event.
- [NEW] Added new setting option (pps / bps) for the feature storm control.
pps=Packet per second
bps=Byte per second
- [UPDATE] Linux open source license text in GUI.
- [FIXED] Revision of the translation between English, German and Japanese.

6.4 Fieldbus Protocols

No updates