Firmware for MGate 5111 Series Release Notes

Version: v2.1	Build: 23090415
Release Date: Sep 26, 2023	

Applicable Products

MGate 5111 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Upgrades OpenSSL version to v1.1.1t.
• Upgrades SQLite version to v3.41.2.
• Enhances the PROFINET DCP rate limit function when too many DCP discovery requests are received in a short time.
• Enhances the Modbus RTU/ASCII Traffic Monitor display mechanism.
• Enhances the protection of the MGate Modbus TCP server against flooding caused by excessive Modbus TCP connections and requests.

Bugs Fixed

• Quick setup missed adding an I/O during the PROFIBUS slave step.
• An issue with the Modbus inter-character timer mechanism when receiving only one character.
• Web UI freezes when the DNS server does not respond.

Changes

N/A

Notes

N/A

Version: v2.0	Build: 22041811
Release Date: May 31, 2023	

Applicable Products

MGate 5111 Series

Supported Operating Systems

N/A

New Features

• Supports new product version V1.1.0

Enhancements

• Upgraded OpenSSL version to v1.1.1l
• Upgraded Dropbear version to 2020.81
• Upgraded Net-SNMP version to v5.9.1
• Supports the HTTP response headers (HSTS, X-Frame-Option, X-Content-Type-Options) for security purposes.
• Provides the optional configuration feature of "Accept Arbitrary Host Header"

Bugs Fixed

• Fixed the Modbus server function, which stopped when the system IP address changed.

Changes

N/A

Notes

N/A

Version: v1.4	Build: 22032313
Release Date: Apr 29, 2022	

Applicable Products

MGate 5111 Series

Supported Operating Systems

N/A

New Features

• Supports the HTTP response headers (HSTS, X-Frame-Option, X-Content-Type-Options) for security purposes.

Enhancements

• Upgraded the OpenSSL version to v1.1.1l
• Upgraded the Dropbear version to 2020.81
• Upgraded the Net-SNMP version to v5.9.1

Bugs Fixed

• Fixed the Modbus server function, which stopped when the system IP address changed.

Changes

N/A

Notes

N/A

Version: v1.3	Build: Build 21020513
Release Date: Mar 02, 2021	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

• Supports MCC Tool.

Enhancements

• Supports MXconfig v2.6 and MXview v3.2.
• Enhanced log table placement.
• Enhanced cipher suite.
• Upgraded SQLite version to v3.33.0.

Bugs Fixed

• Fixed the stuck system issue when the IP setting begins with a zero digit.
• Fixed the command injection cybersecurity vulnerability with a built-in web console UI.
• Fixed CVE-2019-11477.
• Fixed CVE-2011-1473.
• Fixed the memory leak when receiving the wrong LLDP packets continuously.

Changes

• The default setting for the telnet console has been disabled.
• Extended the length of the email alert username.
• Changed the default TCP/IP keep alive check timeout to 1 minute.

Notes

N/A

Version: v1.2	Build: Build 19052811
Release Date: Jul 02, 2019	

Applicable Products

MGate 5111, MGate 5111-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Upgraded OpenSSL version to v1.1.1b.
• Upgraded SQLite version to v3.27.2.
• Upgraded Net-SNMP version to v5.7.3.
• Optimized the response time on Modbus write command under Modbus slave mode.
• Optimized PROFIBUS slave data exchange performance.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v1.1	Build: Build 18012622
Release Date: Mar 02, 2018	

Applicable Products

MGate 5111, MGate 5111-T

Supported Operating Systems

N/A

New Features

- Passed PI (PROFIBUS & PROFINET International) PROFIBUS Slave certification test.

Enhancements

N/A

Bugs Fixed

• According to EtherNet/IP Specification (CT14), aligned Manual Setting attribute of Ethernet Link Object with the identically-named bit in the Interface Capability attribute.
• Fixed incorrect topology display due to forwarding LLDP frames to another LAN port.

Changes

N/A

Notes

N/A

Version: v1.0	Build: Build 17110222
Release Date: Jan 19, 2018	

Applicable Products

MGate 5111, MGate 5111-T

Supported Operating Systems

N/A

New Features

• First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A