



Firmware for MGate 5114 Series Release Notes

Version: v1.5	Build: 23090415
Release Date: Sep 26, 2023	

Applicable Products

MGate 5114 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 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

- 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: v1.4	Build: 22041216
Release Date: Apr 29, 2022	

Applicable Products

MGate 5114 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.
- Fixed the IEC610850-5-101/104 web page setting that crashed.
- Fixed the IEC610850-5-101 process stopped which caused by data link memory issue when in 101 unbalanced slave mode

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: N/A
Release Date: Apr 09, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Supports a global address (broadcast) for the IEC60870-5-101/104 slave.
- Supports read command (C_RD) for the IEC60870-5-101/104 slave.
- Supports direct execution for the IEC60870-5-101/104 master.
- Supports pulse for the IEC60870-5-101/104 master.
- Supports deadband for the IEC60870-5-101/104 slave.
- Supports local time for IEC60870-5-101/104.
- Supports the ability of disabling a measured value spontaneously for the IEC60870-5-101/104 slave.
- Supports the configuration of a measured value cyclic timestamp format for the IEC60870-5-101/104 slave.

Bugs Fixed

- Fixed an incorrect flag display in the IEC60870-5-101/104 slave.

Changes

N/A

Notes

N/A



Version: v1.1	Build: Build 19052723
Release Date: Jul 02, 2019	

Applicable Products

MGate 5114, MGate 5114-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.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v1.0	Build: Build 18120705
Release Date: Dec 07, 2018	

Applicable Products

MGate 5114, MGate 5114-T

Supported Operating Systems

N/A

New Features

- First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A