Firmware for MGate MB3660 Series Release Notes

Version: v3.2	Build: 23053016
Release Date: Jun 05, 2023	

Applicable Products

MGate MB3660 Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Upgrades mbedtls version to 2.28.3.

Bugs Fixed

• An issue of Port configuration Import not working in Agent mode.
• MGate Intelligent Mode treating Auto Detection command as intelligent command.
• An issue of response timeout set to 0 after using Auto Detection function.
• An issue of MGate authenticate failure with the RADIUS server when some RADIUS authentication parameters are corrected/changed. Specifically, 'service-type' set to 'login(1)' and when the 'filter-ID' does match the group name on the MGate.

Changes

N/A

Notes

N/A

Version: v3.1	Build: 22041517
Release Date: Apr 29, 2022	

Applicable Products

MGate MB3660 Seires

Supported Operating Systems

N/A

New Features

• Supports the HTTP Strict Transport Security (HSTS) header in the HTTPS console.
• Supports the optional configuration feature "Accept Arbitrary Host Header"

Enhancements

• Supports an "ARP probe" in RFC5227. The MGate will respond to an ARP request with the sender IP address 0.0.0.0.

Bugs Fixed

• Fixed the mode activation issue when switching from disable mode to agent mode or transparent mode.
• Fixed the Modbus TCP request routing to slaves, which might have failed due to miscalculating the pending request count in Modbus transparent mode.

Changes

N/A

Notes

N/A

Version: v2.5	Build: 20090212
Release Date: Sep 29, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Vulnerability issues (higher level or above) have been fixed, following a Nessus and Defensics scan.
• Supports MXconfig v2.6 and MXview v3.1.8.
• Enhanced the System Log display.
• Strengthened the TLS cipher suite for security enhancement.
• Enhanced MOXA commands under the account login process.
• Adjusted Telnet default settings from enable to disable.
• Disabled unsecure TLS 1.0 and TLS 1.1.
• Enhanced Accessible IP List feature.

Bugs Fixed

• Added CSRF attack protection for login webpage.
• Serial parameters might have been incorrect when switching between ASCII and RTU modes.
• Fixed the incomplete display in the web console.
• Fixed SNMPv3 issues.
• Fixed the MGate's failure to get an IP address under DHCP mode.
• Fixed https connections that might have caused the web service to stop working.

Changes

N/A

Notes

N/A

Version: v2.4	Build: N/A
Release Date: Mar 27, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

Supports MGate MB3660I-8-2AC and MGate MB3660I-16-2AC new hardware version v1.1.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v2.3	Build: Build 18113012
Release Date: Jan 16, 2019	

Applicable Products

MGate MB3660-8-J-2AC, MGate MB3660I-16-2AC, MGate MB3660-16-J-2AC, MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC

Supported Operating Systems

N/A

New Features

• Supports security features based on IEC-62443.

Enhancements

• Accessible IP List supports denying Web/Telnet console access.

Bugs Fixed

• In Agent mode as a Modbus ASCII master, MGate would hang after plugging and unplugging a serial cable.

Changes

N/A

Notes

N/A

Version: v2.2	Build: Build_18030817
Release Date: N/A	

Applicable Products

MGate MB3660-8-J-2AC, MGate MB3660I-16-2AC, MGate MB3660-16-J-2AC, MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Enhanced the complexity of token generation to protect against CSRF attacks.
• Enhanced the complexity of the key for password encryption in the web console login process.
• Encrypts sensitive information in exported configuration file.
• Enhanced the display of auto detection results in MODBUS transparent mode.

Bugs Fixed

• Firmware version check problem when upgrading firmware for MGate MB3660I-16-2AC, MB3660-8-J-2AC, and MB3660-16-J-2AC.
• Modbus RTU communication would fail if FIFO was disabled.
• The FIFO setting would not be activated after clicking the "Submit" button.
• Stack-based buffer overflow issue in web console which may cause web service corruption.
• Challenge ID generation problem which may cause web console login failure.

Changes

N/A

Notes

N/A

Version: v2.1	Build: Build_17081110
Release Date: Nov 24, 2017	

Applicable Products

MGate MB3660-8-J-2AC, MGate MB3660I-16-2AC, MGate MB3660-16-J-2AC, MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC

Supported Operating Systems

N/A

New Features

• Supports MGate MB3660I-16-2AC, MGate MB3660-8-J-2AC, MGate MB3660-16-J-2AC models.

Enhancements

• Improved security of the TCP sequence number.
• Improved beeper behavior in DHCP mode.

Bugs Fixed

• Modbus RTU diagnose error in agent mode.
• Initial error relay state when powered on.

Changes

N/A

Notes

N/A

Version: v2.0	Build: Build 17060710
Release Date: N/A	

Applicable Products

MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC

Supported Operating Systems

N/A

New Features

• Supports Auto Device Routing in Modbus transparent mode.
• Supports Modbus TCP traffic logs.

Enhancements

• The Modbus master in agent mode supports up to 256 commands for each serial port.
• Supports multi-master in "routing by IP address" and "routing by TCP port" modes.
• Supports sorting of commands in the I/O mapping page.
• Supports auto internal memory assign in the command page.
• Supports Modbus slave ID 255 in transparent mode.

Bugs Fixed

• User password and SNMP community name may be exposed by a buffer overflow issue.

Changes

N/A

Notes

N/A

Version: v1.3	Build: Build 16110313
Release Date: N/A	

Applicable Products

MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• Bug in Modbus Master mode which may cause the MGate to reboot under some conditions.

Changes

N/A

Notes

N/A

Version: v1.2	Build: Build 16071210
Release Date: N/A	

Applicable Products

MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• Initial delay issue which would stop Modbus communication.

Changes

N/A

Notes

N/A

Version: v1.1	Build: Build 16042918
Release Date: N/A	

Applicable Products

MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

• Fix the algorithm which may cause Modbus transparent mode to stop communication.
• Serial port 13 interface initialization problem.
• Modbus traffic exceptions in the serial port are not handled well, which might cause the serial port to stop transmitting data.
• When the "Read memory address" is greater or equal to 8192 for the "01 - Read Coils" or "02 - Read Discrete Inputs" functions, data will be written to the wrong internal memory address.

Changes

N/A

Notes

N/A

Version: v1.0	Build: Build 15090716
Release Date: N/A	

Applicable Products

MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC

Supported Operating Systems

N/A

New Features

• First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A