Firmware for MGate MB3660 Series Release Notes

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
Firmware for MGate MB3660 Series Release Notes

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
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
**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
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
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<thead>
<tr>
<th><strong>Applicable Products</strong></th>
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<tbody>
<tr>
<td>MGate MB3660-8-2AC, MGate MB3660-8-2DC, MGate MB3660I-8-2AC, MGate MB3660-16-2AC, MGate MB3660-16-2DC</td>
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<th><strong>New Features</strong></th>
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<tr>
<td>• Supports Auto Device Routing in Modbus transparent mode.</td>
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<td>• Supports Modbus TCP traffic logs.</td>
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<tr>
<th><strong>Enhancements</strong></th>
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<tr>
<td>• The Modbus master in agent mode supports up to 256 commands for each serial port.</td>
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<tr>
<td>• Supports multi-master in &quot;routing by IP address&quot; and &quot;routing by TCP port&quot; modes.</td>
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<td>• Supports sorting of commands in the I/O mapping page.</td>
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<td>• Supports auto internal memory assign in the command page.</td>
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<td>• Supports Modbus slave ID 255 in transparent mode.</td>
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<th><strong>Bugs Fixed</strong></th>
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<td>• User password and SNMP community name may be exposed by a buffer overflow issue.</td>
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**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
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
**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