# Firmware for MGate 5217 Series Release Notes

| Version:  v1.5 | Build:  25060913 |
|---|---|
| Release Date:  Jul 03, 2025 | |

**Applicable Products**

MGate 5217 Series, MGate 5217-CN Series

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

• Cybersecurity: Ensure that unused accessible IP groups are populated with default values when returned.
• Cybersecurity: Based on Nessus scan results, add the autocomplete="off" attribute to web login forms to prevent browser credential caching.
• Cybersecurity: Ensures each event log records the source and the interface used for login events is identified and included in the event description.
• Cybersecurity: Removes weak cipher suites & upgrade RSA key length

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A

| Version: v1.4 | Build: 24101609 |
|---|---|
| Release Date: Oct 31, 2024 | |

## Applicable Products

MGate 5217 Series, MGate 5217-CN Series

## Supported Operating Systems

N/A

## New Features

• Support new protocol conversion on MGate: BACnet Client to Modbus TCP/RTU/ASCII Server.

## Enhancements

• Update mbedtls packet version 2.28.3 to 2.28.8
• Enhancement: Change data scaling (multiplication) precision of object in BACnet server mode to four decimal places.

## Bugs Fixed

• Fix the cmdDevIndex mapping error when exporting tcp csv if the devSlaveId is the same.
• Fix the issue of foreign device not working over different network.
• Fix the issue of some CoV notifications not being sent out.
• Fix the issue of missing sending unicast i-am packets when there are multiple Modbus devices.

## Changes

N/A

## Notes

N/A

| Version: v1.3 | Build: 23032113 |
|---|---|
| Release Date: Jun 29, 2023 | |

## Applicable Products

MGate 5217 Series

## Supported Operating Systems

N/A

## New Features

• Adds BACnet property 'Description' to the AI/AO/AV/BI/BO/BV/IV/PIV/MSI/MSO/MSV object.
• Adds a new field 'Description' in csv v1.2.0 for offline configuration.
• Supports HTTP Strict Transport Security (HSTS) header in the HTTPS console.

## Enhancements

• Adjusts the mechanism used to generate BACnet Device Instance so that the Device Instance remains unchanged when adding or deleting a Modbus device.
• Adds a new field 'devSequence' to the csv v1.2.0 so the second and third digit of the Device Instance can be changed.
• Improves network performance.

## Bugs Fixed

• An object name length error when setting a command-to-multi-object data mapping.
• CSV import error message should show the correct column name for parameter fields.
• A BACnet object mapping error when port 2 has one command-to-multi-object data mapping and a command is added to port 1.
• A BACnet object mapping error when both port 1 and port 2 were configured with commands and a command is deleted from port 1.
• A BACnet object mapping error when both port 1 and port 2 were configured with commands and after editing the command and changing the number of mapped objects in port 1, an object mapping error occurred in port 2.
• A data precision issue after performing data scaling (multiplication).
• A BACnet/IP BI object display has a wrong value under an abnormal handling mechanism for the Modbus command.
• A BACnet/IP BI object display that had a wrong value under Modbus read coil command mapping.
• A BACnet object mapping error in Modbus RTU/ASCII port 2 when no command was mapped in Modbus RTU/ASCII port 1.
• A data mapping page display error when a command-to-multi-object data mapping configuration already exists in Modbus TCP mode.
• A BACnet object mapping error for one command-to-multi-object data mapping when adding first a command in port 2 and then a command in port 1.

## Changes

• When a Modbus command times out, all commands corresponding to the same slave IDs will set their status to FAIL. Those Modbus commands will be mapped to BACnet objects, which status will be set to FAULT.
• When the Modbus slave device times out, the MGate will poll the first Modbus command in the device's command table.

## Notes

N/A

| Version:  v1.2 | Build:  21071213 |
|---|---|
| Release Date:  Jul 22, 2021 | |

## Applicable Products

MGate 5217 Series

## Supported Operating Systems

N/A

## New Features

• This version of the firmware is BTL certified.

## Enhancements

N/A

## Bugs Fixed

N/A

## Changes

N/A

## Notes

N/A

| Version:  v1.1 | Build:  21052110 |
|---|---|
| Release Date:  Jul 22, 2021 | |

## Applicable Products

MGate 5217 Series

## Supported Operating Systems

N/A

## New Features

• Adds data scaling and data addition features.
• Mapping of Modbus 16-bit and 32-bit data to multiple BI/BO/BV objects.

## Enhancements

• Removes the number of commands limitation per serial port.
• Allows configuration of same Modbus slave ID for different Modbus TCP devices.
• Allows disabling of Modbus commands.
• Includes Moxa command security enhancement for DSU.

## Bugs Fixed

N/A

## Changes

N/A

## Notes

N/A

| Version:  v1.0 | Build:  20113017 |
|---|---|
| **Release Date:  Dec 22, 2020** | |

## Applicable Products

N/A

## Supported Operating Systems

N/A

## New Features

• First release.

## Enhancements

N/A

## Bugs Fixed

N/A

## Changes

N/A

## Notes

N/A