



## Firmware for MGate 5119 Series Release Notes

<b>Version: v1.3</b>	<b>Build: 26011822</b>
<b>Release Date: Mar 23, 2026</b>	

### Applicable Products

MGate 5119 Series

### Supported Operating Systems

N/A

### New Features

N/A

### Enhancements

- Adds new system log events to record login interfaces, configuration changes, and the user's IP/account.
- Enhances secure communication for Moxa utilities.
- Upgrades OpenSSL to v1.1.1za.

### Bugs Fixed

- An IP change issue triggered when a specific TCP packet is received.

### Changes

- Changes the minimum Modbus Poll Interval from 100 ms to 10 ms.
- Removes the Diffie-Hellman algorithm for enhanced cybersecurity.

### Notes

N/A



<b>Version: v1.2</b>	<b>Build: 25031917</b>
<b>Release Date: Mar 28, 2025</b>	

### **Applicable Products**

MGate 5119 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Supports Modbus data calculation for data scaling and data offset.
- Supports offline configuration of Modbus commands using a CSV file.
- Supports Modbus-to-IEC 61850 data mapping offline configuration using a CSV file.
- Supports a new default value for the IEC 61850 time object "epoch time".
- Supports a data type for IEC 61850 timestamp.

### **Enhancements**

- Data mapping tag list description character limit increased to 135.
- Implements a functionality for automatically updating the quality of each data object when \$Beh changes.
- Increases the accuracy of the reporting interval.

### **Bugs Fixed**

- Data mapping may sometimes malfunction when a .scd file is used to run the server.
- NTP may not work in specific situations.
- Incorrect attributes for ReportSettings in the generated SCL file.
- One instance of the IEC 61850 server not disconnecting even when the wire was disconnected for a period of time.
- Modbus data change command may be triggered by another mapped data.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.1</b>	<b>Build: 23090415</b>
<b>Release Date: Sep 26, 2023</b>	

### **Applicable Products**

MGate 5119 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Supports the auto-reset function on the 'ctlVal' parameter with configurable timeout value.

### **Enhancements**

- Upgrades the OpenSSL version to v1.1.1t.
- Upgrades the SQLite version to v3.41.2.
- Enhances the Modbus RTU/ASCII Traffic Monitor display mechanism.

### **Bugs Fixed**

- Cannot specify the amount of Data Objects when setting up the SCL file on the web.
- 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



<b>Version: v1.0</b>	<b>Build: Build 21121421</b>
<b>Release Date: Mar 30, 2022</b>	

**Applicable Products**

MGate 5119 Series

**Supported Operating Systems**

N/A

**New Features**

- New release.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A