



## Firmware for MGate 5109 Series Release Notes

<b>Version: v2.3</b>	<b>Build: Build 21020513</b>
<b>Release Date: Mar 02, 2021</b>	

### Applicable Products

N/A

### Supported Operating Systems

N/A

### New Features

- Supports MCC Tool.
- Added customized configuration to the status monitoring start address in Modbus RTU/ASCII slave or Modbus TCP server mode.

### 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 point index in Analog Output request when configured point index is over 255 in DNP3 master mode.
- Fixed the incorrect LED display issue.
- 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



<b>Version: v2.2</b>	<b>Build: N/A</b>
<b>Release Date: Apr 09, 2020</b>	

### **Applicable Products**

N/A

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- The objects of Analog Input and Analog Output support single-precision floating variation under DNP3 outstation mode.
- The Analog Output object supports 32-bit variation under DNP3 outstation mode.
- The Counter Event and Analog Input Event support variations with time tag under DNP3 outstation mode.
- The Static objects support start-stop qualifier code in reading the direction under DNP3 outstation mode.
- The Event objects support limited quantity qualifier code in reading the direction under DNP3 outstation mode.
- The Analog Input object supports single-precision floating-point variation under DNP3 master mode.

### **Bugs Fixed**

- Implemented a timeout mechanism for the DNP3 TCP connection.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v2.1</b>	<b>Build: Build 19052722</b>
<b>Release Date: Jul 02, 2019</b>	

### **Applicable Products**

MGate 5109, MGate 5109-T

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Upgraded OpenSSL version to v1.1.1b.
- Upgraded Net-SNMP version to v5.7.3.

### **Bugs Fixed**

- The MGate as a DNP3 Master would not update the object values when receiving a package with IIN1.5=1.
- Changed initial sequence number from 0 to 1 under DNP3 Master mode.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v2.0</b>	<b>Build: Build 18091119</b>
<b>Release Date: Jan 09, 2019</b>	

### **Applicable Products**

MGate 5109, MGate 5109-T

### **Supported Operating Systems**

N/A

### **New Features**

- Supports new hardware rev. v1.1.0.
- Supports Accessible IP additional restrictions.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.3</b>	<b>Build: Build 16100717</b>
<b>Release Date: Nov 11, 2016</b>	

### **Applicable Products**

MGate 5109, MGate 5109-T

### **Supported Operating Systems**

N/A

### **New Features**

- When the NTP time server and DNP outstation time sync are both opened, a warning will occur.
- Added a new config item – DNP outstation time sync (enable/disable). Before, the DNP outstation had to do time sync.
- Added DNP outstation time sync events to log.

### **Enhancements**

- Improved security of TCP sequence number.
- Improved beeper behavior in DHCP mode.
- Changed the DNP3 outstation event buffer from 100 to 1000.
- Implemented a DNP3 master auto time sync configuration to avoid the DNP master having to do a time sync each time it received IIN need time request.
- Changed auto logout range. Removed option “0”(disable).

### **Bugs Fixed**

- AutoDetection in MB transparent page may be blocked when the window is closed.
- Counter/Frozen Counter in DNP outstation diagnose page only showed 32-bit format. Now it may show 16bit or 32bit by config.
- When using the wizard to set DNP3 config, part of the config items would be set to 0.
- Byte order between Modbus and DNP3 does not match.
- Even though the length of the Modbus master command is smaller than DNP3 outstation point, user is allowed to create a mapping between the command and the point.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.2</b>	<b>Build: Build 16072111</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 5109, MGate 5109-T

**Supported Operating Systems**

N/A

**New Features**

- First release.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A