



## Firmware for MGate 5103 Series Release Notes

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|-----------------------------------|------------------------|
| <b>Version: v2.5</b>              | <b>Build: 26011822</b> |
| <b>Release Date: Mar 23, 2026</b> |                        |

### Applicable Products

MGate 5103 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: v2.4</b>              | <b>Build: 23090415</b> |
| <b>Release Date: Sep 26, 2023</b> |                        |

### **Applicable Products**

MGate 5103 Series

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Upgrades OpenSSL version to v1.1.1t.
- Upgrades SQLite version to v3.41.2.
- Enhances the PROFINET DCP rate limit function when too many DCP discovery requests are received in a short time.
- Enhances the Modbus RTU/ASCII Traffic Monitor display mechanism.
- Enhances the protection of the MGate Modbus TCP server against flooding caused by excessive Modbus TCP connections and requests.

### **Bugs Fixed**

- Web UI freezes when the DNS server does not respond.

### **Changes**

N/A

### **Notes**

N/A



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|-----------------------------------|------------------------|
| <b>Version: v2.3</b>              | <b>Build: 22041811</b> |
| <b>Release Date: Apr 29, 2022</b> |                        |

### **Applicable Products**

MGate 5103 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Supports HTTP header in response for security issue (HSTS, X-Frame-Option, X-Content-Type-Options)
- Supports optional configuration feature of "Accept Arbitrary Host Header"

### **Enhancements**

- Upgraded the OpenSSL version to v1.1.1l
- Upgraded the Dropbear version to 2020.81
- Upgraded the Net-SNMP version to v5.9.1

### **Bugs Fixed**

- Fixed the Modbus server function, which stopped when the system IP address changed.

### **Changes**

N/A

### **Notes**

N/A



|                                   |                              |
|-----------------------------------|------------------------------|
| <b>Version: v2.2</b>              | <b>Build: Build 21020512</b> |
| <b>Release Date: Mar 02, 2021</b> |                              |

### **Applicable Products**

N/A

### **Supported Operating Systems**

N/A

### **New Features**

- Supports MCC Tool.

### **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 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



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

### **Applicable Products**

MGate 5103, MGate 5103-T

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Upgraded OpenSSL version to v1.1.1b.
- Upgraded SQLite version to v3.27.2.
- Upgraded Net-SNMP version to v5.7.3.
- Optimized the response time on Modbus write command under Modbus slave mode.

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A



|                                   |                              |
|-----------------------------------|------------------------------|
| <b>Version: v2.0</b>              | <b>Build: Build 18092716</b> |
| <b>Release Date: Jan 09, 2019</b> |                              |

**Applicable Products**

MGate 5103, MGate 5103-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: v1.1</b>     | <b>Build: Build 18012622</b> |
| <b>Release Date: N/A</b> |                              |

**Applicable Products**

MGate 5103, MGate 5103-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

- According to EtherNet/IP Specification (CT14), aligned the Manual Setting attribute of Ethernet Link Object with the identically-named bit in the Interface Capability attribute.

**Bugs Fixed**

- Incorrect topology display due to forwarding LLDP frames to another LAN port.

**Changes**

N/A

**Notes**

N/A



|                                   |                              |
|-----------------------------------|------------------------------|
| <b>Version: v1.0</b>              | <b>Build: Build 17110222</b> |
| <b>Release Date: Jan 15, 2018</b> |                              |

**Applicable Products**

MGate 5103, MGate 5103-T

**Supported Operating Systems**

N/A

**New Features**

- First release.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A