



## Firmware for MGate 5105-MB-EIP Series Release Notes

<b>Version: v4.4</b>	<b>Build: 22041811</b>
<b>Release Date: Apr 29, 2022</b>	

### Applicable Products

MGate 5105-MB-EIP Series

### Supported Operating Systems

N/A

### New Features

- Supports the HTTP response headers (HSTS, X-Frame-Option, X-Content-Type-Options) for security purposes.

### 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
- Upgraded the mosquito version to 1.6.15

### Bugs Fixed

- Fixed the issue with the MGate 5105 not responding in Modbus ASCII slave mode when writing large number of registers.
- Fixed the Modbus server function, which stopped when the system IP address changed.
- Fixed the issue with MGate5105 Ethernet/IP connections timing out after receiving abnormal UDP packets.
- Fixed the Modbus function code 23 swap function that did not work.

### Changes

N/A

### Notes

N/A



<b>Version: v4.3</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.

### **Enhancements**

- Supports MXconfig v2.6 and MXview v3.2.
- Enhanced log table placement.
- Enhanced cipher suite.
- Upgraded SQLite version to v3.33.0.
- Upgraded Mosquitto version to v1.6.12.

### **Bugs Fixed**

- Fixed the stuck system issue when the IP setting begins with a zero digit.
- 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: v4.2</b>	<b>Build: Build 19112022</b>
<b>Release Date: Nov 20, 2019</b>	

**Applicable Products**

N/A

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

- Enhances EtherNet/IP-to-MQTT protocol conversion performance.

**Bugs Fixed**

- Fixed incorrect display of dataflow direction in I/O data mapping page.
- Fixed faulty I/O data mapping issue.
- Fixed command injection cybersecurity vulnerability with built-in web console UI.

**Changes**

N/A

**Notes**

N/A



<b>Version: v4.1</b>	<b>Build: Build 19052716</b>
<b>Release Date: Jul 02, 2019</b>	

### **Applicable Products**

MGate 5015-MP-EIP, MGate 5015-MP-EIP-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: v4.0</b>	<b>Build: 19033000</b>
<b>Release Date: Mar 31, 2019</b>	

**Applicable Products**

N/A

**Supported Operating Systems**

N/A

**New Features**

- Connects Modbus/EtherNetIP I/O Data to Azure Cloud
- Connects Modbus/EtherNetIP I/O Data to Alibaba Cloud
- Connects Modbus/EtherNetIP I/O Data to MQTT

**Enhancements**

- Changes the default value to byte for Endian swap in the Modbus Setting pages

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A



<b>Version: v3.0</b>	<b>Build: 18092716</b>
<b>Release Date: Jan 09, 2019</b>	

### **Applicable Products**

MGate 5105-MB-EIP, MGate 5105-MB-EIP-T

### **Supported Operating Systems**

N/A

### **New Features**

- Supports new hardware rev. v1.1.0.
- Supports Accessible IP additional restrictions.
- Modified firmware structure for security purposes; need to upgrade to v2.0 before upgrading to v3.0.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v2.0</b>	<b>Build: Build 18012622</b>
<b>Release Date: Mar 21, 2018</b>	

### **Applicable Products**

MGate 5105-MB-EIP, MGate 5105-MB-EIP-T

### **Supported Operating Systems**

N/A

### **New Features**

- Passed ODVA EtherNet/IP Specification (CT14) conformance test .
- Added Telnet/SSH console.
- Added quick setup wizard.

### **Enhancements**

- Supports security features based on IEC-62443.
- Supports Modbus TCP traffic log.
- Supports Modbus status monitoring and fault protection functions.
- Supports EtherNet/IP status monitoring and fault production functions.
- Accessible IP List supports denying Web/Telnet/SSH console access.

### **Bugs Fixed**

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

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.2</b>	<b>Build: Build 16070415</b>
<b>Release Date: Nov 11, 2016</b>	

### **Applicable Products**

MGate 5105-MB-EIP, MGate 5105-MB-EIP-T

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Supports Name/Contact/Location settings for MXconfig.
- Patched glibc to protect against GHOST vulnerability.

### **Bugs Fixed**

- HTTPS web server enhancements to protect against DROWN attacks.
- In a race condition, EtherNet/IP and Modbus communication may sometimes stop, and the system needs to be reset to recover.
- In Modbus TCP Master mode, sending write command using data change trigger mode will terminate the communication link.
- In DHCP mode, SNMP tool reading a private MIB file would return the default IP/netmask/gateway.
- Modbus master mode would sometimes send incorrect data when write command is in cyclic mode and set to byte swap.

### **Changes**

N/A

### **Notes**

N/A





<b>Version: v1.1</b>	<b>Build: Build 13111222</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

MGate 5105-MB-EIP, MGate 5105-MB-EIP-T

### **Supported Operating Systems**

N/A

### **New Features**

- Passed ODVA conformance test.

### **Enhancements**

- Supports 100 ms Modbus command polling interval.
- Improved compatibility with the ABB IRC5 robot.

### **Bugs Fixed**

- EtherNet/IP class connection timeout is too long.
- Declared ListServices capability in the support flag.
- MGate 5105-MB-EIP should not send a response when receiving a packet with the wrong session ID.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.0</b>	<b>Build: Build 13061810</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 5105-MB-EIP, MGate 5105-MB-EIP-T

**Supported Operating Systems**

N/A

**New Features**

- First release.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A