Firmware for MGate 5101-PBM-MN Series Release Notes

<table>
<thead>
<tr>
<th>Version: v2.1</th>
<th>Build: Build 19052722</th>
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<td>Release Date: Jul 02, 2019</td>
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**Applicable Products**  
MGate 5101-PBM-MN, MGate 5101-PBM-MN-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.  
- Added the information about PROFIBUS Data Exchange Intervals.  
- Optimized the response time on Modbus write command under Modbus slave mode.

**Bugs Fixed**  
- When writing a coil value, it would overwrite nonrelative coil values under Modbus slave mode.  
- When parsing a PXC_06CC.GSD file, user parameters were misallocated.  
- When parsing an si04806a.GSD file, user parameters were misallocated.  
- Web console would not respond when importing SE100E2E.GSD (Schneider Altivar Process 600).

**Changes**  
N/A

**Notes**  
- Before upgrading to firmware v2.1 or higher, please make sure you have already upgraded the unit to v2.0.
Applicable Products
MGate 5101-PBM-MN, MGate 5101-PBM-MN-T

Supported Operating Systems
N/A

New Features
N/A

Enhancements
• Supports security features based on IEC-62443.
• Supports Modbus fault protection function.
• Simplified telnet/ssh/serial console settings.
• Accessible IP List supports denying Web/Telnet/SSH console access.

Bugs Fixed
• Issue importing SIE180BB.GSD (Siemens SIMEAS P).
• Issue parsing user parameters with WAGO 750-303.

Changes
N/A

Notes
N/A
Applicable Products
MGate 5101-PBM-MN, MGate 5101-PBM-MN-T

Supported Operating Systems
N/A

New Features
N/A

Enhancements
- Supports Name/Contact/Location settings for MXconfig.
- Supports PROFIBUS module names over 32 characters long. MGate 5101-PBM-MN will truncate the displayed module name when its length is over the 32-character limitation specified by the PROFIBUS GSD specification.
- Changed the PROFIBUS Watchdog default value to 600 ms for baudrate of 500 kbit/sec or above.
- HTTPS server only supports TLSv1.0 to protect against DROWN attacks.
- Patched glibc to protect against GHOST vulnerability.

Bugs Fixed
- Could not import too many GSD files or GSD files that were too large. (Note: If downgrading firmware to v1.1, imported GSD files will be lost).
- MGate can not communicate with some specific PROFIBUS slave devices due to only support portion of user parameters of device.
- Returned the wrong IP/netmask/gateway when SNMP read private MIB under DHCP mode.
- MGate 5101-PBM-MN could not communicate with some specific PROFIBUS slave devices due to incorrect parsing of a module’s user parameter data.
- MGate 5101-PBM-MN could not communicate with ABB M102 slave (with ABB_08DD.gsd).
- In Modbus TCP Master mode, sending write command using data change trigger mode will terminate the communication link.

Changes
N/A

Notes
N/A
Applicable Products
MGate 5101-PBM-MN, MGate 5101-PBM-MN-T

Supported Operating Systems
N/A

New Features
- Certified by PI (PROFIBUS & PROFINET International).
- Supports Modbus and PROFIBUS configuration via web console.
- Supports "23 Read/Write Multiple Registers" command for Modbus.
- Supports SNMP and LLDP protocol.
- Supports SNMP trap and E-mail alert functions. (Use MGate Manager v1.9 or later to configure these new functions.)

Enhancements
N/A

Bugs Fixed
- MGate sometimes does not sync data between internal memory and PROFIBUS slaves during system startup.
- MGate could not communicate with devices on other subnets.

Changes
N/A

Notes
N/A
Version: v1.0
Build: Build 12081716
Release Date: N/A

**Applicable Products**
MGate 5101-PBM-MN, MGate 5101-PBM-MN-T

**Supported Operating Systems**
N/A

**New Features**
- First release.

**Enhancements**
N/A

**Bugs Fixed**
N/A

**Changes**
N/A

**Notes**
N/A