Firmware for MGate 4101-MB-PBS Series Release Notes

<table>
<thead>
<tr>
<th>Version: v1.6</th>
<th>Build: Build 16030313</th>
</tr>
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<tbody>
<tr>
<td>Release Date: Apr 21, 2016</td>
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</table>

Applicable Products
MGate 4101I-MB-PBS, MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS-T

Supported Operating Systems
N/A

New Features
• Supports Modbus fault protection.
• Supports Modbus and PROFIBUS command tag name.
• Supports I/O data view.

Enhancements
• Enhanced Modbus communication performance.

Bugs Fixed
• Data error would occur with low baudrate and FIFO enabled for Modbus RTU communication.

Changes
N/A

Notes
N/A
<table>
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<tr>
<th>Supported Operating Systems</th>
</tr>
</thead>
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<tr>
<td>N/A</td>
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</table>

**Applicable Products**
MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

**Enhancements**
N/A

**Bugs Fixed**
- Modbus RTU communication would stop if MGate continuously operated without power cycling for over 49.7 days.

**Changes**
N/A

**Notes**
N/A
**Applicable Products**
MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**
- Modbus slave ID can be set to 248 ~ 255.

**Bugs Fixed**
- Modbus ASCII communication may stop if an error frame was received.
- Modbus RTU communication would fail if FIFO was disabled.

**Changes**
N/A

**Notes**
N/A
Applicable Products
MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

Supported Operating Systems
N/A

New Features
N/A

Enhancements
N/A

Bugs Fixed
• MGate 4101 PROFIBUS port stopped responding to PROFIBUS telegrams after receiving broadcast telegrams with destination SAP 63.

Changes
N/A

Notes
N/A
Firmware for MGate 4101-MB-PBS Series Release Notes

Applicable Products
MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

Supported Operating Systems
N/A

New Features
N/A

Enhancements
• Passed PI certification test.
• Changed the minimum value of the polling interval in Modbus master commands to 10 ms.

Bugs Fixed
• MGate 4101 would return incorrect diagnostic data to the PROFIBUS master after powering on.

Changes
N/A

Notes
N/A
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<th>Build: Build 13030614</th>
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<td>Release Date: N/A</td>
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**Applicable Products**
MGate 4101I-MB-PBS, MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS-T

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**
N/A

**Bugs Fixed**
- Compatibility issues with the HMS PROFIBUS Master simulator.

**Changes**
N/A

**Notes**
N/A
Applicable Products
MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

Supported Operating Systems
N/A

New Features
N/A

Enhancements
N/A

Bugs Fixed
• MGate 4101 would reply with the wrong value when receiving SSA (Set-Slave-Address) commands from the PROFIBUS Master.
• Cleared diag.Ext_diag flag when a PROFIBUS watchdog timeout occurred.

Changes
N/A

Notes
N/A
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<th>Version:</th>
<th>v1.1</th>
<th>Build:</th>
<th>Build 12121114</th>
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**Applicable Products**
MGate 4101I-MB-PBS, MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS-T

**Supported Operating Systems**
N/A

**New Features**
N/A

**Enhancements**
N/A

**Bugs Fixed**
- MGate 4101-PBM-MB would return success when the PROFIBUS master sent a chk_cfg telegram and the I/O configuration was inconsistent with the device settings.

**Changes**
N/A

**Notes**
N/A
Applicable Products
MGate 4101I-MB-PBS, MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS-T

Supported Operating Systems
N/A

New Features
N/A

Enhancements
- Changed the minimum value of the polling interval in Modbus master commands to 10 ms.

Bugs Fixed
- MGate 4101 would sometimes return diagnostic data with Stat_Diag bit of octet 2 and Ext_Diag_Overflow bit of octet 3 set to 1 after powering on.

Changes
N/A

Notes
N/A
Applicable Products
MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

Supported Operating Systems
N/A

New Features
N/A

Enhancements
• Shortened the time required to set configuration, get configuration, import configuration, export configuration, and firmware upgrade.
• Changed PROFIBUS ident number from 0x0405 to 0x0D80.
• QuickLink learning function can take up to 3 Modbus master requests to learn the Modbus devices well.

Bugs Fixed
• Unable to upgrade to firmware files over 180 KB.
• MGate 4101 would sometimes reboot repeatedly after powering on.
• MGate 4101 would fail to stop providing error diagnostics for PROFIBUS when there is no timeout to expire MODBUS requests.

Changes
N/A

Notes
N/A
Applicable Products
MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

Supported Operating Systems
N/A

New Features
• First release.

Enhancements
N/A

Bugs Fixed
N/A

Changes
N/A

Notes
N/A