

## Software Name: MGate 4101-MB-PBS Series Firmware

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/Enhancements	Bugs Fixed/Changes	Note
1.6	Build 16030313	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> 1. Modbus support fault protection. 2. Modbus and Profibus command support tag name. 3. Support I/O data view.  <b>Enhancements:</b> 1. Enhance Modbus communication performance.	<b>Bugs Fixed:</b> 1. Data error occurs with low baud rate and fifo enabled under Modbus RTU communication.	N/A
1.5	Build 15082009	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. Bugfix: Modbus RTU communication will stop if MGate continuous operation without power cycle over 49.7 days.	N/A
1.4	Build 14080611	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. MGate 4101 PROFIBUS port stops responding any PROFIBUS telegram after receiving broadcast telegrams with destination SAP 63. 2. Bugfix: Modbus ASCII communication may stop if an error frame is received. 3. Bugfix: Modbus RTU communication will fail if FIFO is disabled. 4. Improve: Modbus slave ID can be set to 248 ~ 255.	N/A
1.3	Build 14031018	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. MGate 4101 PROFIBUS port stops responding any PROFIBUS telegram after receiving broadcast telegrams with destination SAP 63.	N/A
1.2	Build 13032915	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> 1. Pass PI certification test. 2. Change the minimum value limit of polling interval in Modbus master command to 10 ms.	<b>Bugs Fixed:</b> 1. Sometimes MGate 4101 will return incorrect diagnostic data to PROFIBUS master after power on.	N/A
1.1.11	Build 13030614	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. The compatibility with HMS PROFIBUS Master simulator.	N/A
1.1.9	Build 12122613	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. MGate 4101 reply wrong value when received SSA (Set-Slave-Address) command from PROFIBUS Master. 2. Clear diag.Ext_diag flag when PROFIBUS watchdog timeout occurred.	N/A

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1.1.7	Build 12121114	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. MGate 4101-PBM-MB will return success when PROFIBUS master send chk_cfg telegram and the I/O configuration inconsistent with settings of device.	N/A
1.1.5	Build 12092111	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> 1. Change the minimum value limit of polling interval in Modbus master command to 10 ms.	<b>Bugs Fixed:</b> 1. Sometimes MGate 4101 will return diagnostic data with Stat_Diag bit of octet 2 and Ext_Diag_Overflow bit of octet 3 set to 1 after power on.	N/A
1.1	Build 11112119	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> N/A  <b>Enhancements:</b> 1. Shorten the time required by set configuration, get configuration, import configuration, export configuration and firmware upgrade. 2. Change PROFIBUS ident number from 0x0405 to 0x0D80. 3. A MODBUS master requires to send more than 1 instead of 3 MODBUS requests that QuickLink could learning MODBUS requests well.	<b>Bugs Fixed:</b> 1. Unable to upgrade firmware more than 180KB. 2. MGate 4101 sometimes would reboot repeatedly after power on. 3. MGate 4101 fails to stop providing error diagnostic of PROFIBUS, when there is no timeout expired MODBUS requests anymore.	N/A
1.0	Build 11072817	N/A	MGate 4101-MB-PBS, MGate 4101I-MB-PBS	<b>New Features:</b> Newly released.  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> N/A	N/A