



Firmware for MGate 4101-MB-PBS Series Release Notes

| | |
|-----------------------------------|-------------------|
| Version: v2.0 | Build: N/A |
| Release Date: Apr 22, 2020 | |

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

- A Modbus data frame error occurred due to the misidentification of a specific Modbus RTU packet.

Changes

N/A

Notes

N/A



| | |
|-----------------------------------|------------------------------|
| Version: v1.6 | Build: Build 16030313 |
| Release Date: Apr 21, 2016 | |

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

- 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



| | |
|--------------------------|------------------------------|
| Version: v1.5 | Build: Build 15082009 |
| Release Date: 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

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

Changes

N/A

Notes

N/A



| | |
|--------------------------|------------------------------|
| Version: v1.4 | Build: Build 14080611 |
| Release Date: 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



| | |
|--------------------------|------------------------------|
| Version: v1.3 | Build: Build 14031018 |
| Release Date: N/A | |

Applicable Products

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

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



| | |
|--------------------------|------------------------------|
| Version: v1.2 | Build: Build 13032915 |
| Release Date: 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

- 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



| | |
|--------------------------|------------------------------|
| Version: v1.1 | Build: Build 13030614 |
| Release Date: 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

N/A

Bugs Fixed

- Compatibility issues with the HMS PROFIBUS Master simulator.

Changes

N/A

Notes

N/A



| | |
|--------------------------|------------------------------|
| Version: v1.1 | Build: Build 12122613 |
| Release Date: 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



| | |
|--------------------------|------------------------------|
| Version: v1.1 | Build: Build 12121114 |
| Release Date: 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

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



| | |
|--------------------------|------------------------------|
| Version: v1.1 | Build: Build 12092111 |
| Release Date: 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



| | |
|--------------------------|------------------------------|
| Version: v1.1 | Build: Build 11112119 |
| Release Date: 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



| | |
|--------------------------|------------------------------|
| Version: v1.0 | Build: Build 11072817 |
| Release Date: 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