Firmware for MGate 5102-PBM-PN Series Release Notes

Version: v2.3	Build: Build 21020512
Release Date: Mar 02, 2021	

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.

Bugs Fixed

• ixed the stuck system issue when the IP setting begins with a zero digit.
• ixed CVE-2011-1473.
• ixed the memory leak when receive receiving the wrong LLDP packets continuously.

Changes

• The default setting for the telnet console has been disabled.

Notes

N/A

Version: v2.2	Build: N/A
Release Date: Apr 27, 2020	

Applicable Products

MGate 5102-PBM-PN, MGate 5102-PBM-PN-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Enhances the conversion performance of the PROFINET IO Device to PROFIBUS master.
• Extended mail alert user name length to 64-character.

Bugs Fixed

• Fixed command injection cybersecurity vulnerability with built-in web console UI.
• Fixed TCP SACK panic vulnerabilities.

Changes

N/A

Notes

N/A

Version: v2.1	Build: Build 19052722
Release Date: Jul 02, 2019	

Applicable Products

MGate 5102-PBM-PN, MGate 5102-PBM-PN-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.

Bugs Fixed

• 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.

Version: v2.0	Build: Build 18012622
Release Date: Mar 21, 2018	

Applicable Products

MGate 5102-PBM-PN, MGate 5102-PBM-PN-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Supports security features based on IEC-62443.
• 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.
• Incorrect topology display due to forwarding LLDP frames to another LAN port.

Changes

N/A

Notes

N/A

Version: v1.3	Build: Build 16070411
Release Date: Sep 09, 2016	

Applicable Products

MGate 5102-PBM-PN, MGate 5102-PBM-PN-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 5102-PBM-PN 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 baudrates of 500 kbit/sec or higher.
• HTTPS web server only supports TLSv1.0 to protect against DROWN attacks.
• Patched glibc to protect against GHOST vulnerability.
• The version of the exported GSDML file was updated to version 2.2.

Bugs Fixed

• MGate could not communicate with some specific PROFIBUS slave devices due to only supporting a portion of the device's user parameters.
• Returned the wrong IP/netmask/gateway when SNMP read private MIB under DHCP mode.
• MGate 5102-PBM-PN could not communicate with some specific PROFIBUS slave devices due to incorrect parsing of a module's user parameter data.
• MGate 5102-PBM-PN could not communicate with ABB M102 slave (with ABB_08DD.gsd.)

Changes

N/A

Notes

N/A

Version: v1.2	Build: Build 13083010
Release Date: N/A	

Applicable Products

MGate 5102-PBM-PN, MGate 5102-PBM-PN-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Supports "DCP-Signal" function.
• Passed PROFINET certification.
• Modified LLDP transmit interval to 5 seconds with TTL value 20.

Bugs Fixed

• Cyclic I/O data error when the input and out slot are configured as interlaced.
• Return status of the second AR connection was not correct.
• PROFIBUS module handling of SLAVE_INPUTS_CHANGED event.

Changes

N/A

Notes

N/A

Version: v1.1	Build: Build 13031216
Release Date: N/A	

Applicable Products

MGate 5102-PBM-PN, MGate 5102-PBM-PN-T

Supported Operating Systems

N/A

New Features

N/A

Enhancements

• Shows full model name in the header after logging in to the telnet/serial console.

Bugs Fixed

N/A

Changes

N/A

Notes

N/A

Version: v1.0	Build: Build 13020716
Release Date: N/A	

Applicable Products

MGate 5102-PBM-PN, MGate 5102-PBM-PN-T

Supported Operating Systems

N/A

New Features

• First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A