



Firmware for MGate 5102-PBM-PN Series Release Notes

Version: v2.5	Build: 23090415
Release Date: Sep 26, 2023	

Applicable Products

MGate 5102-PBM-PN Series

Supported Operating Systems

N/A

New Features

N/A

Enhancements

- Upgrades the OpenSSL to v1.1.1t.
- Upgrades the SQLite to v3.41.2.
- Enhances the PROFINET DCP rate limit function when too many DCP discovery requests are received in a short time.

Bugs Fixed

- Web UI freezes when the DNS server does not respond.

Changes

N/A

Notes

N/A



Version: v2.4	Build: 22041217
Release Date: Apr 29, 2022	

Applicable Products

MGate 5102-PBM-PN Series

Supported Operating Systems

N/A

New Features

- Supports the HTTP response headers (HSTS, X-Frame-Option, X-Content-Type-Options) for security purposes.

Enhancements

- Upgraded the OpenSSL version to v1.1.1l
- Upgraded the Dropbear version to 2020.81
- Upgraded the Net-SNMP version to v5.9.1

Bugs Fixed

- Fixed the issue regarding parsing maximum diagnostic data length with SITRAS DPU96 PU.
- Fixed the issue regarding parsing user parameters with FR-A7NP.
- Fixed the issue regarding parsing user parameters with Danfoss FC-202.

Changes

N/A

Notes

N/A



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

- Fixed the stuck system issue when the IP setting begins with a zero digit.
- Fixed CVE-2011-1473.
- Fixed 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