Software Name: Firmware for MGate 5101-PBM-MN Series

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v2.0	Build 18012622	N/A	MGate 5101-PBM-MN, MGate 5101-PBM-MN-T	**New Features:** N/A **Enhancements:** 1. Supports security features based on IEC-62443. 2. Supports Modbus fault protection function. 3. Simplified telnet/ssh/serial console settings. 4. Accessible IP List supports denying Web/Telnet/SSH console access.	**Bugs Fixed:** 1. Issue importing SIE180BB.GSD (Siemens SIMEAS P). 2. Issue parsing user parameters with WAGO 750-303. **Changes:** N/A	N/A
v1.2	Build 16070415	N/A	MGate 5101-PBM-MN, MGate 5101-PBM-MN-T	**New Features:** N/A **Enhancements:** 1. Supports Name/Contact/Location settings for MXconfig. 2. Supports PROFIBUS module names over 32 characters long. MGate 5101-PBM-MN will truncate the displayed module name when its length is over the 32-character limitation specified by the PROFIBUS GSD specification. 3. Changed the PROFIBUS Watchdog default value to 600 ms for baudrate of 500 kbit/sec or above. 4. HTTPS server only supports TLSv1.0 to protect against DROWN attacks. 5. Patched glibc to protect against GHOST vulnerability.	**Bugs Fixed:** 1. Could not import too many GSD files or GSD files that were too large. (Note: If downgrading firmware to v1.1, imported GSD files will be lost). 2. MGate can not communicate with some specific PROFIBUS slave devices due to only support portion of user parameters of device. 3. Returned the wrong IP/netmask/gateway when SNMP read private MIB under DHCP mode. 4. MGate 5101-PBM-MN could not communicate with some specific PROFIBUS slave devices due to incorrect parsing of a module's user parameter data. 5. MGate 5101-PBM-MN could not communicate with ABB M102 slave (with ABB_08DD.gsd). 6. In Modbus TCP Master mode, sending write command using data change trigger mode will terminate the communication link. **Changes:** N/A	N/A

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v1.1	Build 13073014	N/A	MGate 5101-PBM-MN, MGate 5101-PBM-MN-T	**New Features:** 1. Certified by PI (PROFIBUS & PROFINET International). 2. Supports Modbus and PROFIBUS configuration via web console. 3. Supports "23 Read/Write Multiple Registers" command for Modbus. 4. Supports SNMP and LLDP protocol. 5. Supports SNMP trap and E-mail alert functions. (Use MGate Manager v1.9 or later to configure these new functions.) **Enhancements:** N/A	**Bugs Fixed:** 1. MGate sometimes does not sync data between internal memory and PROFIBUS slaves during system startup. 2. MGate could not communicate with devices on other subnets. **Changes:** N/A	N/A
v1.0	Build 12081716	N/A	MGate 5101-PBM-MN, MGate 5101-PBM-MN-T	**New Features:** 1. First release. **Enhancements:** N/A	**Bugs Fixed:** N/A **Changes:** N/A	N/A