



Firmware for PT-G7728 Series Release Notes

Version: v6.4	Build: FWR_PTG7728_V6.
Release Date: Jun 18, 2024	

Applicable Products

PT-G7728

Supported Operating Systems

N/A

New Features

- Supports IP-based ACL with DSCP remark.
- Supports MAC-based ACL with CoS remark.
- Supports RADIUS with MSCHAPv2 for Login Authentication.

Enhancements

- Increases password length from 16 to 32 characters.

Bugs Fixed

- Import of configuration fails when the PT-G7728/G7828 is installed with an SFP-1FESLC module.
- When polling MMS status, the default value is "True" for MMS LN 'Inconsistent' and 'Inaccurate' flags.

Changes

N/A

Notes

- Passwords with >16 characters are only supported via the "unlock" function in MXconfig and can only be changed via the Web UI.



Version: v6.3	Build: N/A
Release Date: Apr 25, 2023	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- [PRP/HSR] Added support for Static MAC Address.

Enhancements

- [PTP] The PTP domain number will change depending on the parameters of the PTP profile.
- [PRP/HSR] Added a new event for detecting PRP LAN-A to LAN-B cross-connection events.

Bugs Fixed

- [PTP] The "UTC Offset Valid" field shows incorrectly on the System Time page.
- [PTP] The path delay is calculated twice.
- [PTP] The system does not send inaccurate power profile TLV received from the Master to the Slave.
- [PTP] When the device is configured for one-step sync but receives two-step sync, the correction field is not properly updated.
- [PRP/HSR] The HSR tag LAN ID is not properly tagged according to the output port.
- [OpenSSL] [CVE-2022-0778] Vulnerability in OpenSSL.
- [PoE] Navigating to the PoE Diagnostic page through HTTPS causes a memory leak.
- [Fiber Check] TX/RX power warnings are shown for the SFP-RJ45 module.
- [Fiber Check] The event for low RX power does not trigger correctly.
- [MMS] The character restrictions for the IED name are not applied.
- [MMS] Changing the IED name will cause the system to reboot.
- [GOOSE Check] The GOOSE tampered port event is recorded incorrectly in the event log.
- [GOOSE Check] GOOSE Check does not work if Unaware VLAN mode is enabled.
- [Loop Protection] If Loop Protection is disabled while looped ports are blocked, those ports will be stuck in a blocked state.
- [MRP] When MRP is enabled and there is a change to the topology, the event log will show an incorrect GOOSE Check.
- [Web] The encryption key shows in plain text in the web interface.

Changes

- Updated the PT-G7X28 panel image to match the EC version appearance which has no Micro USB on the front panel.

Notes

N/A



Version: v6.2	Build: Build_22011817
Release Date: Feb 11, 2022	

Applicable Products

PT-G7728 Series

Supported Operating Systems

N/A

New Features

- Supports the LM-7000H-2GPHR module, which supports the IEC 62439-3 PRP/HSR Protocol.
- Supports Nodes Table, which displays the supervision frame information.
- Supports RSTP Grouping on HSR mode.
- Supports IEC 62439-2 Media Redundancy Protocol (MRP).
- Supports IEEE 1588 PTP power profile: IEEE C37.238-2011, IEEE C37.238-2017, and IEC 61850-9-3-2016.
- Users can configure the time accuracy threshold.
- The PTP synchronization status is displayed on the WebGUI.
- Users can customize the Switch Name in the ICD file.
- The MMS function now supports four more events (Trigger Option), which users can receive notifications about.
- Users can download the Configured IED Description (CID) file.
- Users can configure Unaware VLANs on the PT-G7728 Series.
- Users can update the FPGA firmware.

Enhancements

- Supports TLS 1.2.

Bugs Fixed

- When the device has enabled the Modbus TCP/IP protocol, the transmission status of RSTP was incorrect.
- There were no follow-up packets sent to the device ports when tuning the synchronization mechanism to fix an error.
- Under certain circumstances, a GOOSE Application Identifier settings error for GOOSE Check would cause error notification packet flooding.

Changes

N/A

Notes

N/A



Version: v5.7	Build: Build_20062914
Release Date: Jul 03, 2020	

Applicable Products

PT-G7728 Series

Supported Operating Systems

N/A

New Features

- Supports the following modules: PWR-HV-NP and PWR-LV-NP.

Enhancements

- The SSH connection supports timeout to avoid occupying the console task.

Bugs Fixed

- The Fiber Check function required frequent internal hardware communication, which resulted in the CPU usage being too high.
- Fixed the memory leak issue of HTTPS.

Changes

N/A

Notes

N/A



Version: v5.6	Build: Build_20031813
Release Date: Apr 10, 2020	

Applicable Products

PT-G7728 Series

Supported Operating Systems

N/A

New Features

- Supports the following modules: LM-7000H-4TX and LM-7000H-4PoE.
- Supports modifying the IED name to allow it to integrate with Power SCADA.
- Supports Transport Layer Security (TLS) Protocol Version 1.2.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A



Version: v5.5	Build: N/A
Release Date: Oct 22, 2019	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Supports advanced GOOSE check functions.

Enhancements

- Supports newline in Switch location/Web Login Message/Login Authentication Failure Message.

Bugs Fixed

- Fixed the login issue when using Chrome 65.0.
- Fixed RSTP Grouping import failure.
- Fixed RSTP and Dual homing issue.
- Fixed NTP 2 server sync issue.
- Fixed configuration import issue when HTTP is disabled.

Changes

N/A

Notes

N/A



Version: v5.4	Build: Build_18032313
Release Date: Feb 26, 2019	

Applicable Products

PT-G7728

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

Fixed ptp packet forwarding mechanism when Power Profile is configured

Changes

N/A

Notes

N/A



Version: v5.3	Build: Build_17091117
Release Date: Jan 12, 2018	

Applicable Products

PT-G7728

Supported Operating Systems

N/A

New Features

First Release:

following the major new function

- Moxa standard L2 features (Except Profinet)
- All Turbo Pack 3 features
- 1588 PTP design (1-Step / 2-Step, BC/TC, P2P / E2E, Default Profile /Power Profile)
- RSTP Grouping, 61850 QoS, MMS, GOOSE Check
- Dying Gasp

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A