



## Firmware for PT-G7828 Series Release Notes

<b>Version: v6.4</b>	<b>Build: FWR_PTG7828_V6.</b>
<b>Release Date: Jun 18, 2024</b>	

### Applicable Products

PT-G7828

### 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 words to 32.

### Bugs Fixed

- Import of configuration fails when the PT-G7728/G7828 is installed with a 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.

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

## Applicable Products

N/A

## Supported Operating Systems

N/A

## New Features

N/A

## Enhancements

- [PTP ] The PTP domain number will change depending on the parameters of the PTP profile.

## 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.
- [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 on 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.
- [VRRP] The VRRP advertisement timer may be calculated incorrectly and cause a value overflow. This will cause the VRRP master to be unable to send the VRRP advertisement, resulting in dual VRRP masters.

## 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



<b>Version: v6.2</b>	<b>Build: Build_21122316</b>
<b>Release Date: Feb 11, 2022</b>	

### **Applicable Products**

PT-G7828 Series

### **Supported Operating Systems**

N/A

### **New Features**

- 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.

### **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



<b>Version: v5.7</b>	<b>Build: Build_20062913</b>
<b>Release Date: Jul 03, 2020</b>	

### **Applicable Products**

PT-G7828 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



<b>Version: v5.6</b>	<b>Build: Build_20031813</b>
<b>Release Date: Apr 08, 2020</b>	

### **Applicable Products**

PT-G7828 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



<b>Version: v5.5</b>	<b>Build: N/A</b>
<b>Release Date: Oct 24, 2019</b>	

### **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



<b>Version: v5.4</b>	<b>Build: Build_18032315</b>
<b>Release Date: Feb 26, 2019</b>	

**Applicable Products**

PT-G7828

**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



<b>Version: v5.3</b>	<b>Build: Build_17091117</b>
<b>Release Date: Jan 12, 2018</b>	

### **Applicable Products**

PT-G7828

### **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