



## Firmware for PT-G7728 Series Release Notes

<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

- [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



<b>Version: v6.2</b>	<b>Build: Build_22011817</b>
<b>Release Date: Feb 11, 2022</b>	

## 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



<b>Version: v5.7</b>	<b>Build: Build_20062914</b>
<b>Release Date: Jul 03, 2020</b>	

### **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



<b>Version: v5.6</b>	<b>Build: Build_20031813</b>
<b>Release Date: Apr 10, 2020</b>	

### **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



<b>Version: v5.5</b>	<b>Build: N/A</b>
<b>Release Date: Oct 22, 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_18032313</b>
<b>Release Date: Feb 26, 2019</b>	

**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



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

### **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