



## Firmware for PT-7828 Series Release Notes

<b>Version: v3.9</b>	<b>Build: Build_17122616</b>
<b>Release Date: Dec 29, 2017</b>	

### Applicable Products

PT-7828 Series

### Supported Operating Systems

N/A

### New Features

- Added configuration file encryption settings.

### Enhancements

N/A

### Bugs Fixed

- Stack-based buffer overflow vulnerability.
- Risky cryptographic algorithm vulnerability.
- Hard-coded cryptographic key vulnerability.
- Hard-coded password vulnerability.
- RSTP 40 nodes failed issue.
- Turbo Ring v1 failed issue on firmware v3.8.
- Removed misplaced UI config: IEEE 1588v2 E2E 1-step TC.
- CLI configuration export file has no RSTP port information issue.

### Changes

N/A

### Notes

- This is the last official firmware update for PT-7828 hardware revision v1.x and v2.x due to flash size limitation.
- The future official firmware upgrade will only apply to hardware revision v3.0 and above.



<b>Version: v3.8</b>	<b>Build: Build_17041117</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

PT-7828 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Supports IEC 61850 QoS.

### **Enhancements**

- Added warning message when default password was not changed.
- Encrypted security keys in user interface.
- Enhanced RSTP compatibility.

### **Bugs Fixed**

- Cross-site scripting vulnerability.
- Denial of service attack vulnerability.
- Privilege escalation vulnerability.
- SSL v2/v3 vulnerability in HTTPS.
- Web console cannot be accessed when the SNMP get bulk service is running.
- Specific CLI command caused switch to reboot with default settings.
- Adding a new VLAN changed IGMP querier state from disable to enable.
- Could not save configurations to the ABC-01 via IE browser.
- Rate limit could not be set in web UI.
- PTP timestamp error in announce message.
- Removed 1588v2 PTP message of IEC 61850 QoS.
- Corrected authorization of Radius/TACACS+ login.

### **Changes**

- SW PTP.
- IP filter.
- Line Swap.
- Traffic prioritization.
- SNMP setting.
- Port Access Control.
- Auto warning.
- Note: The above feature settings are removed from the menu mode console due to flash size limitation. However, user can also setup by web UI and CLI.

### **Notes**

N/A



<b>Version: v3.5</b>	<b>Build: Build_16052409</b>
<b>Release Date: N/A</b>	

**Applicable Products**

PT-7828 Series

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- Inaccurate system local time.
- Time floating in NTP mechanism.

**Changes**

N/A

**Notes**

N/A



<b>Version: v3.4</b>	<b>Build: Build_15071516</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

PT-7828 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Supports IEC 61850 QoS.

### **Enhancements**

- 12 digit product series number.

### **Bugs Fixed**

- Fixed bugs on firmware v3.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v3.3</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

PT-7828 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Added SNMP MIB for SFP DDM.

### **Enhancements**

- Added web interface for loop-protection enable/disable.
- Added web interface for SSH/SSL key generation.

### **Bugs Fixed**

- Login failed in CLI mode when password included a special character.
- Hybrid VLAN lacked SNMP MIB object.
- Access Control List (ACL) did not function correctly.
- SFP DDM displayed inaccurate values.
- IEEE 1588 PTP did not function correctly.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v3.1</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

PT-7828 Series

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Passed ODVA EtherNet/IP certificate.
- Added some minor SNMP OIDs.
- Enhanced multicast performance.
- Added version number in MIB file.
- Supports Command Line Interface.

### **Bugs Fixed**

- NTP did not synchronize time in default setting.
- NTP client function did not work with Windows XP NTP server.
- Firmware Upgrade Failed when IEEE 802.1x was enabled.
- Switch rebooted when receiving IGMP v3 packets (commonly used in Windows).

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v2.7</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

PT-7828 Series

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Added new internal algorithm to prevent system hang when a layer 3 interface is changed due to link up and down and also received a lot of unknown packets at a rate greater than 50 Mbps.
- Added new internal algorithm to prevent system from generating incorrect layer 3 routing table when an Ethernet switch port abnormally links up/down.

### **Bugs Fixed**

- Fixed bug for Turbo Ring V2 recovery issue when Gigabit Fiber port abnormally links up/down.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v2.6</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

PT-7828 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Supports TurboPack™ 2009 (add new functions for Turbo Chain, IPv6, Modbus/TCP, IEEE 1588 PTP, SNMP Inform, LLDP, DHCP Option 82, Firefox, and SSH).
- Added OSPF, and VRRP.
- Push Ring port button when running Turbo Chain, the Chain ports' LED will be activated.
- Link Healthy Check on Gigaports for redundant protocols changed from Alarm mode to Polling mode.
- Added 10FL and MTRJ module.
- Added "RSTP\_2004", "CHANGE\_IP\_NOREBOOT", "RTC".
- Adds an exception error to the system log and reboots the system when the system hangs.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A





<b>Version: v1.2</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

**Applicable Products**

PT-7828 Series

**Supported Operating Systems**

N/A

**New Features**

- Added the PM-7200-8SFP compatibility function.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A



<b>Version: v1.1</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

PT-7828 Series

### **Supported Operating Systems**

N/A

### **New Features**

- Added web interface for SSH/SSL key generation.
- Added SNMP MIB for SFP DD.

### **Enhancements**

N/A

### **Bugs Fixed**

- Hybrid VLAN lacks of SNMP MIB object.
- Access Control List (ACL) cannot function correctly.
- SFP DDM display inaccurate values.
- IEEE 1588 PTP cannot function correct.

### **Changes**

N/A

### **Notes**

N/A