



Firmware for PT-7828 Series Release Notes

Version: v3.9	Build: Build_17122616
Release Date: Dec 29, 2017	

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.



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

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



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

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



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

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



Version: v3.3	Build: N/A
Release Date: N/A	

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



Version: v3.1	Build: N/A
Release Date: N/A	

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



Version: v2.7	Build: N/A
Release Date: N/A	

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



Version: v2.6	Build: N/A
Release Date: N/A	

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



Version: v1.2	Build: N/A
Release Date: N/A	

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



Version: v1.1	Build: N/A
Release Date: N/A	

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