

Software Name: PT-7828 series

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/Enhancements	Bugs Fixed/Changes	Note
3.9	Build_17122616	N/A	PT-7828 Series	<b>New Features:</b> 1.Add configuration file encryption setting	<b>Bugs Fixed:</b> 1.Stack-based buffer overflow vulnerability 2.Risky cryptographic algorithm vulnerability 3.Hard-coded cryptographic key vulnerability 4.Hard-coded password vulnerability 5.RSTP 40 nodes failed issue 6.Turbo Ring v1 failed issue on firmware v3.8 7.Remove misplaced UI config: IEEE 1588v2 E2E 1-step TC 8. CLI configuration export file has no RSTP port information issue	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.
3.8	Build_17041117	N/A	PT-7828 Series	<b>New Features:</b> 1. Support IEC 61850 QoS  <b>Enhancements:</b> 1. Add warning message when default password was not changed 2. Encrypt security keys in user interface 3. Enhance RSTP compatibility	<b>Bugs Fixed:</b> 1. Cross-site scripting vulnerability 2. Denial of service attack vulnerability 3. Privilege escalation vulnerability 4. SSL v2/v3 vulnerability in https 5. Web console cannot be accessed due to SNMP get bulk 6. Specific CLI command cause switch reboot with default settings 7. Add a new VLAN will change IGMP querier state from disable to enable 8. Saving configuration to ABC-01 cannot be performed via IE browser 9. Rate limit cannot be set in web UI 10. PTP timestamp error in announce message 11. Remove 1588v2 PTP message of IEC 61850 QoS 12. Correct authorization of Radius/TACACS+ login  <b>Changes:</b> The following feature settings are removed from menu mode console due to flash size limitation. However, user can also setup by web UI and CLI. 1. SW PTP 2. IP filter 3. Line Swap 4. Traffic prioritization 5. SNMP setting 6. Port Access Control 7. Auto warning	N/A
3.5	Build_16052409	N/A	PT-7828 Series	N/A	<b>Bugs Fixed:</b> 1.Inaccurate system local time 2.Time floating in NTP mechanism	N/A
3.4	Build_15071516	N/A	PT-7828 Series	<b>New Features:</b> 1. Support IEC 61850 QoS  <b>Enhancements:</b> 1. 12 digital product series number	<b>Bugs Fixed:</b> 1.Fixed bugs on firmware V 3.3	N/A

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3.3	N/A	N/A	PT-7828 Series	<b>New Features:</b> 1.Add SNMP MIB for SFP DDM  <b>Enhancements:</b> 1.Add web interface for loop-protection enable/disable 2.Add web interface for SSH/SSL key generation	<b>Bugs Fixed:</b> 1.Login fail in CLI mode when password is with special character 2.Hybrid VLAN lacks of SNMP MIB object 3.Access Control List (ACL) cannot function correctly 4.SFP DDM display inaccurate values 5.IEEE 1588 PTP cannot function correctly	N/A
3.1	N/A	N/A	PT-7828 Series	<b>Enhancements:</b> 1.Pass ODVA EtherNet/IP certificate 2.Add some minor SNMP OIDs 3.Enhance multicast performance 4.Add version number in MIB file 5.Support Command Line Interface	<b>Bugs Fixed:</b> 1.NTP cannot synchronize time in default setting 2.NTP client function cannot work with Windows XP NTP server 3.Firmware Upgrade Failed when IEEE 802.1x is enabled 4.Switch reboots when receiving IGMP v3 packets (commonly used in Windows 7)	N/A
2.7	N/A	N/A	PT-7828 Series	<b>Enhancements:</b> 1.Add new internal algorithm for preventing system hang when a layer 3 interface is changed due to link up and down and also receives a lot of unknown packets at rate greater than 50Mbps. 2.Add new internal algorithm to prevent system from generating incorrect layer 3 routing table when an Ethernet switch port abnormally links up/down.	<b>Bugs Fixed:</b> 1.Fix bug for Turbo Ring V2 recovery issue when Gigabit Fiber port abnormally links up/down.	N/A
2.6	N/A	N/A	PT-7828 Series	<b>New Features:</b> 1.Support TurboPack™ 2009 (add new managed functions of Turbo Chain, IPv6, Modbus/TCP, IEEE 1588 PTP, SNMP Inform, LLDP, DHCP Option 82, Firefox, and SSH). 2.Add OSPF, VRRP. 3.Push Ring port button when running Turbo Chain, the Chain ports' LED will be bright. 4.Link Healthy Check on Giga ports for redundant protocols changes from Alarm mode to Polling mode. 5.Add 10FL and MTRJ module. 6.Add "RSTP_2004", "CHANGE_IP_NOREBOOT", "RTC". 7.Add exception error log and reboot while system halt.	N/A	N/A
1.2	N/A	N/A	PT-7828 Series	<b>New Features:</b> 1. Added the PM-7200-8SFP compatibility function	N/A	N/A

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1.1	N/A	N/A	PT-7828 Series	<b>New Features:</b> 1.Add web interface for SSH/SSL key generation 2.Add SNMP MIB for SFP DDM	<b>Bugs Fixed:</b> 1.Hybrid VLAN lacks of SNMP MIB object 2.Access Control List (ACL) cannot function correctly 3.SFP DDM display inaccurate values 4.IEEE 1588 PTP cannot function correctly	N/A