

Software Name: Firmware for PT-7728 Series

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v3.8	Build_17041116	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<p><b>New Features:</b> N/A</p> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>Added warning message when default password was not changed.</li> <li>Encrypted security keys in user interface.</li> <li>Enhanced RSTP compatibility.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>Cross-site scripting vulnerability.</li> <li>Denial of service attack vulnerability.</li> <li>Privilege escalation vulnerability.</li> <li>SSL v2/v3 vulnerability in HTTPS.</li> <li>Web console cannot be accessed when the SNMP get bulk service is running.</li> <li>Specific CLI command caused the switch to reboot with default settings.</li> <li>Adding a new VLAN changed IGMP querier state from disable to enable.</li> <li>Could not save configurations to the ABC-01 via IE browser.</li> <li>Corrected RSTP auto-edge behavior.</li> <li>Rate limit could not be set in web UI.</li> <li>PTP timestamp error in announce message.</li> <li>Removed 1588v2 PTP message of IEC 61850 QoS.</li> <li>Ports on slot 4 back to default setting after system reboot.</li> <li>Corrected RSTP edge definition in exported configuration file.</li> <li>Corrected authorization of Radius/TACACS+ login.</li> </ol> <p><b>Changes:</b> N/A</p>	N/A
v3.5	Build_16052014	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<p><b>New Features:</b> N/A</p> <p><b>Enhancements:</b> N/A</p>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>Inaccurate system local time.</li> <li>Time floating in NTP mechanism.</li> </ol> <p><b>Changes:</b> N/A</p>	N/A

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v3.4	Build_15081113	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<p><b>New Features:</b></p> <ol style="list-style-type: none"> <li>Supports IEC 61850 QoS.</li> <li>Build-in MMS server based on IEC 61850-90-4 switch data modeling for power SCADA.</li> </ol> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>12 digit product series number.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>Fixed bugs on firmware v3.3.</li> </ol> <p><b>Changes:</b></p> <p>N/A</p>	N/A
v3.3	N/A	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<p><b>New Features:</b></p> <p>N/A</p> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>Added web interface for loop-protection enable/disable.</li> <li>Added web interface for SSH/SSL key generation.</li> <li>Added SNMP MIB for SFP DDM.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>Login failed in CLI mode when password contained a special character.</li> <li>Hybrid VLAN lacked SNMP MIB object.</li> <li>SFP DDM displayed inaccurate values.</li> <li>IEEE 1588 PTP did not function correctly.</li> <li>IPv6 did not function correctly.</li> </ol> <p><b>Changes:</b></p> <p>N/A</p>	N/A
v3.1	N/A	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<p><b>New Features:</b></p> <p>N/A</p> <p><b>Enhancements:</b></p> <ol style="list-style-type: none"> <li>Passed ODVA EtherNet/IP certificate.</li> <li>Added some minor SNMP OIDs.</li> <li>Enhanced multicast performance.</li> <li>Added version number in MIB file.</li> </ol>	<p><b>Bugs Fixed:</b></p> <ol style="list-style-type: none"> <li>NTP did not synchronize time in default setting.</li> <li>NTP client function did not work with Windows XP NTP server.</li> <li>Firmware Upgrade Failed when IEEE 802.1x was enabled.</li> <li>Switch rebooted when receiving IGMP v3 packets (commonly used in Windows 7).</li> </ol> <p><b>Changes:</b></p> <p>N/A</p>	N/A

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v3.0	N/A	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<p><b>New Features:</b></p> <ol style="list-style-type: none"> <li>1. RSTP-2004.</li> <li>2. MSTP.</li> <li>3. NTP Server/Client.</li> <li>4. SW 1588 PTPv2.</li> <li>5. CLI.</li> <li>6. Ethernet/IP.</li> <li>7. Hybrid VLAN.</li> <li>8. Radius/TACACS+ for both login access and port authentication.</li> <li>9. Egress rate limit.</li> <li>10. Unknown unicast filtering.</li> <li>11. CPU loading.</li> <li>12. Changed IP address without rebooting.</li> <li>13. DHCP Discover retries forever, or retries for a period of time.</li> <li>14. GARP timer adjustment.</li> <li>15. Loop-protection.</li> </ol> <p><b>Enhancements:</b></p> <p>N/A</p>	<p><b>Bugs Fixed:</b></p> <p>N/A</p> <p><b>Changes:</b></p> <p>N/A</p>	N/A

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v2.6	N/A	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<b>New Features:</b> 1. Supports TurboPack™ 2009 (add new functions for Turbo Chain, IPv6, Modbus/TCP, IEEE 1588PTP, SNMP Inform, LLDP, DHCP Option 82, Firefox, and SSH). 2. Push Ring Port button when running Turbo Chain, the Chain ports' LED will activate. 3. Link Healthy Check on Giga ports for redundant protocols changed from Alarm mode to Polling mode. 4. Added "VLAN_UNAWARE", "RSTP_2004", "CHANGEIP_NOREBOOT". 5. Added 10FL and MTRJ module. <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> N/A  <b>Changes:</b> N/A	N/A
v1.3	N/A	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<b>New Features:</b> 1. Add PM-7200-8SFP compatibility function. 2. If you want to upgrade the up-to-date firmware, please refer to User's Manual page 3-10 "System File Update" section for detailed instructions. <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> N/A  <b>Changes:</b> N/A	N/A

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v1.2	N/A	N/A	PT-7728-F-24, PT-7728-F-24-24, PT-7728-F-24-48, PT-7728-F-24-HV, PT-7728-F-48, PT-7728-F-48-48, PT-7728-F-48-HV, PT-7728-F-HV, PT-7728-F-HV-HV, PT-7728-F-HV-HV/KC, PT-7728-R-24, PT-7728-R-24-24, PT-7728-R-24-48, PT-7728-R-24-HV, PT-7728-R-48, PT-7728-R-48-48, PT-7728-R-48-HV, PT-7728-R-HV, PT-7728-R-HV-HV, PT-7728-R-HV-HV/KC	<b>New Features:</b> 1. New release for the PT-7728 Series. <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> N/A  <b>Changes:</b> N/A	N/A