

Software Name: Firmware for PT-510 Series

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/ Enhancements	Bugs Fixed/Changes	Note
v3.8	N/A	N/A	PT-510-3S-SC-24, PT-510-3S-SC-48, PT-510-3S-SC-HV, PT-510-4M-ST-24, PT-510-4M-ST-48, PT-510-4M-ST-HV, PT-510-MM-LC-24, PT-510-MM-LC-48, PT-510-MM-LC-HV, PT-510-MM-SC-24, PT-510-MM-SC-48, PT-510-MM-SC-HV, PT-510-MM-ST-24, PT-510-MM-ST-48, PT-510-MM-ST-HV, PT-510-SS-LC-24, PT-510-SS-LC-48, PT-510-SS-LC-HV, PT-510-SS-SC-24, PT-510-SS-SC-48, PT-510-SS-SC-HV	<p>New Features: N/A</p> <p>Enhancements:</p> <ol style="list-style-type: none"> Added warning message when default password was not changed. Encrypted security keys in user interface. Enhanced RSTP compatibility. 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 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. Enhanced RSTP compatibility. Specific CLI command caused the switch to reboot with default settings. Adding a new VLAN will changed IGMP querier state from disable to enable. Cannot save configurations to the ABC-01 via IE browser. Corrected RSTP auto-edge behavior. Rate limit cannot be set in web UI. PTP timestamp error in announce message. Display issue with JAVA applet. Telnet hangs when SSH is disabled. Corrected authorization of Radius/TACACS+ login. <p>Changes: N/A</p>	N/A
v3.5	N/A	N/A	PT-510-3S-SC-24, PT-510-3S-SC-48, PT-510-3S-SC-HV, PT-510-4M-ST-24, PT-510-4M-ST-48, PT-510-4M-ST-HV, PT-510-MM-LC-24, PT-510-MM-LC-48, PT-510-MM-LC-HV, PT-510-MM-SC-24, PT-510-MM-SC-48, PT-510-MM-SC-HV, PT-510-MM-ST-24, PT-510-MM-ST-48, PT-510-MM-ST-HV, PT-510-SS-LC-24, PT-510-SS-LC-48, PT-510-SS-LC-HV, PT-510-SS-SC-24, PT-510-SS-SC-48, PT-510-SS-SC-HV	<p>New Features: N/A</p> <p>Enhancements:</p> <ol style="list-style-type: none"> Added web interface for loop-protection enable/disable. Added web interface for SSH/SSL key generation. Added web interface and CLI for multiport mirroring. Added SNMP MIB for SFP DDM. Added web interface/CLI/SNMP for NTP/SNTP client settings enable/disable independently. 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> Failed to log in using CLI mode when the password contained a special character. Hybrid VLAN lacked SNMP MIB object. SFP DDM display inaccurate value. IEEE 1588 PTP cannot function correctly. The system restricts to import configuration if system name is too long. Login authentication failed if the radius server does not support privilege levels assignment. DIP switch coupler On/Off is malfunction. <p>Changes: N/A</p>	N/A

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v3.1	N/A	N/A	PT-510-3S-SC-24, PT-510-3S-SC-48, PT-510-3S-SC-HV, PT-510-4M-ST-24, PT-510-4M-ST-48, PT-510-4M-ST-HV, PT-510-MM-LC-24, PT-510-MM-LC-48, PT-510-MM-LC-HV, PT-510-MM-SC-24, PT-510-MM-SC-48, PT-510-MM-SC-HV, PT-510-MM-ST-24, PT-510-MM-ST-48, PT-510-MM-ST-HV, PT-510-SS-LC-24, PT-510-SS-LC-48, PT-510-SS-LC-HV, PT-510-SS-SC-24, PT-510-SS-SC-48, PT-510-SS-SC-HV	<p>New Features: N/A</p> <p>Enhancements:</p> <ol style="list-style-type: none"> 1. Passed ODVA EtherNet/IP certificate. 2. Added some minor SNMP OIDs. 3. Enhanced multicast performance. 4. Added version number in MIB file. 	<p>Bugs Fixed:</p> <ol style="list-style-type: none"> 1. NTP could not synchronize time in default settings. 2. NTP client function did not work with Windows XP NTP server. 3. Firmware Upgrade Failed when IEEE 802.1x was enabled. 4. The switch rebooted when receiving IGMP v3 packets (commonly used in Windows 7). <p>Changes: N/A</p>	N/A
v3.0	N/A	N/A	PT-510-3S-SC-24, PT-510-3S-SC-48, PT-510-3S-SC-HV, PT-510-4M-ST-24, PT-510-4M-ST-48, PT-510-4M-ST-HV, PT-510-MM-LC-24, PT-510-MM-LC-48, PT-510-MM-LC-HV, PT-510-MM-SC-24, PT-510-MM-SC-48, PT-510-MM-SC-HV, PT-510-MM-ST-24, PT-510-MM-ST-48, PT-510-MM-ST-HV, PT-510-SS-LC-24, PT-510-SS-LC-48, PT-510-SS-LC-HV, PT-510-SS-SC-24, PT-510-SS-SC-48, PT-510-SS-SC-HV	<p>New Features:</p> <ol style="list-style-type: none"> 1. RSTP-2004. 2. MSTP. 3. NTP Server/Client. 4. SW 1588 PTPv2. 5. CLI. 6. Ethernet/IP. 7. Hybrid VLAN. 8. Radius/TACACS+ for both login access and port authentication. 9. Egress rate limit. 10. Unknown unicast filtering. 11. CPU loading. 12. Change IP address without rebooting. 13. DHCP Discover retries forever, or retries for a period of time. 14. GARP timer adjustment. 15. Loop-protection. 16. Link Fault Shutdown. <p>Enhancements: N/A</p>	<p>Bugs Fixed: N/A</p> <p>Changes: N/A</p>	N/A

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v2.6	N/A	N/A	PT-510-3S-SC-24, PT-510-3S-SC-48, PT-510-3S-SC-HV, PT-510-4M-ST-24, PT-510-4M-ST-48, PT-510-4M-ST-HV, PT-510-MM-LC-24, PT-510-MM-LC-48, PT-510-MM-LC-HV, PT-510-MM-SC-24, PT-510-MM-SC-48, PT-510-MM-SC-HV, PT-510-MM-ST-24, PT-510-MM-ST-48, PT-510-MM-ST-HV, PT-510-SS-LC-24, PT-510-SS-LC-48, PT-510-SS-LC-HV, PT-510-SS-SC-24, PT-510-SS-SC-48, PT-510-SS-SC-HV	New Features: 1. First Release for PT-510 Series. 2. Supports TurboPack™ 2009 (added new functions for Turbo Chain, IPv6, Modbus/TCP, IEEE 1588 PTP, SNMP Inform, LLDP, DHCP Option 82, Firefox, and SSH). Enhancements: N/A	Bugs Fixed: N/A Changes: N/A	N/A