



## Firmware for PT-7728 Series Release Notes

<b>Version: v3.8</b>	<b>Build: Build_17041116</b>
<b>Release Date: May 04, 2017</b>	

### Applicable Products

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

### Supported Operating Systems

N/A

### New Features

N/A

### 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 the 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.
- Corrected RSTP auto-edge behavior.
- Rate limit could not be set in web UI.
- PTP timestamp error in announce message.
- Removed 1588v2 PTP message of IEC 61850 QoS.
- Ports on slot 4 back to default setting after system reboot.
- Corrected RSTP edge definition in exported configuration file.
- Corrected authorization of Radius/TACACS+ login.

### Changes

N/A

### Notes

N/A



<b>Version: v3.5</b>	<b>Build: Build_16052014</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

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

### **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_15081113</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

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

### **Supported Operating Systems**

N/A

### **New Features**

- Supports IEC 61850 QoS.
- Build-in MMS server based on IEC 61850-90-4 switch data modeling for power SCADA.

### **Enhancements**

- 12 digit product series number.

### **Bugs Fixed**

- Fixed bugs on firmware v3.3.

### **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-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

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Added web interface for loop-protection enable/disable.
- Added web interface for SSH/SSL key generation.
- Added SNMP MIB for SFP DDM.

### **Bugs Fixed**

- Login failed in CLI mode when password contained a special character.
- Hybrid VLAN lacked SNMP MIB object.
- SFP DDM displayed inaccurate values.
- IEEE 1588 PTP did not function correctly.
- IPv6 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-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

### **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.

### **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 7).

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v3.0</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

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

### **Supported Operating Systems**

N/A

### **New Features**

- RSTP-2004.
- MSTP.
- NTP Server/Client.
- SW 1588 PTPv2.
- CLI.
- Ethernet/IP.
- Hybrid VLAN.
- Radius/TACACS+ for both login access and port authentication.
- Egress rate limit.
- Unknown unicast filtering.
- CPU loading.
- Changed IP address without rebooting.
- DHCP Discover retries forever, or retries for a period of time.
- GARP timer adjustment.
- Loop-protection.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **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-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

### **Supported Operating Systems**

N/A

### **New Features**

- Supports TurboPack™ 2009 (add new functions for Turbo Chain, IPv6, Modbus/TCP, IEEE 1588PTP, SNMP Inform, LLDP, DHCP Option 82, Firefox, and SSH).
- Push Ring Port button when running Turbo Chain, the Chain ports' LED will activate.
- Link Healthy Check on Giga ports for redundant protocols changed from Alarm mode to Polling mode.
- Added "VLAN\_UNAWARE", "RSTP\_2004", "CHANGEIP\_NOREBOOT".
- Added 10FL and MTRJ module.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.3</b>	<b>Build: N/A</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

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

### **Supported Operating Systems**

N/A

### **New Features**

- Add PM-7200-8SFP compatibility function.
- 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.

### **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-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

### **Supported Operating Systems**

N/A

### **New Features**

- New release for the PT-7728 Series.

### **Enhancements**

N/A

### **Bugs Fixed**

N/A

### **Changes**

N/A

### **Notes**

N/A