

## Firmware release notes of switch series IE-SW-PL10M

### Affected models:

Device name	Article No.
IE-SW-PL10M-3GT-7TX	1241290000
IE-SW-PL10MT-3GT-7TX	1286930000
IE-SW-PL10M-1GT-2GS-7TX	1241300000
IE-SW-PL10MT-1GT-2GS-7TX	1286940000

### General upgrade Information:

Upgrading from older versions to latest firmware Version 3.3.16 generally can be done without any impacts regarding the currently set switch configuration.

### Version 3.3.16

**Released: September 2016**

#### Improvements:

- Pass the ODVA certification of industrial protocol "Ethernet/IP"
- Pass the PI certification of industrial protocol "Profinet RT"
  
- Add some minor SNMP OIDs
- Enhancement of multicast performance
- Optimized Turbo Ring redundancy performance
- Elimination of some vulnerability issues
  - Web user interface: Ping function in diagnostic menu vulnerable to XSS attack
  - Switch may reboot when using special URL to attack the web user interface
  - User account privileges could be changed by web developer plug-in of Firefox browser

#### Bug Fixes:

- Improvement of stability of Profinet IO communication
- Configuration import failed if system name was too long
- Login authentication failed if the radius server did not support privilege levels assignment
- Wrong message "Login Authentication failed" has been stored in the log file though login procedure was successful

### Version 3.3.1

**Released: February 2016**

#### New features:

- Support of RSTP-2004
- Support Hybrid VLAN
- RADIUS and TACACS+ for user login authentication
- RADIUS for 802.1x port authentication
- Configuration of limitation of Egress rates
- Unknown unicast filtering
- CPU loading monitoring
- Change IP without reboot
- DHCP Discover retry configuration
- GARP timer adjustment
- Loop-protection
- Link Fault Shutdown (Disable mode in "Rate Limit" function)
- Implementation of SNMP-Trap (private) for loop protection
- Implementation of functionality to read diagnostic values of DDM-SFP-transceivers via private MIB-file
- Additional support of 3rd party SFP transceivers
  
- Implementation of industrial protocol "EtherNet/IP"
- Implementation of industrial protocol "Profinet RT"

#### Bug Fixes:

- Web interface displayed errors under Java 8 environment when opening the monitoring menu (due to new Java security enhancements implemented in version 8).
- Switch may reboot when using special DHCP discovery packet with multicast-type source MAC address.
- Displaying inaccurate values when reading DDM SFP transceiver diagnostic data
- Switch reboots when receiving IGMP v3 packets (commonly used in Windows 7)

- Firmware upgrade failed when RADIUS authentication (IEEE 802.1x) was enabled

**Version 2.6.24**

**Released: April 2011**

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- First release