

# Customer Release Notes

## ISW-Series 8-Port Industrial Switches

Firmware Version 1.00.00.0003

April 2016

### INTRODUCTION

This document provides specific information for version 1.00.00.0003 of firmware for the ISW-Series products:

ISW 4-10/100P, 2-10/100T, 2SFP	ISW 4GbP, 2GbT, 2-SFP
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**NOTE:** Image ISW-TLN-08PORT\_V01.00.00.0003 is not compatible with 12-port ISW-Series platforms.

**Extreme Networks recommends that you thoroughly review this document prior to installing or upgrading this product.**

**For the latest firmware versions, visit the download site at:**  
[www.extremenetworks.com/support/](http://www.extremenetworks.com/support/)

### FIRMWARE SPECIFICATION

Status	Version No.	Type	Release Date
Current Version	1.00.00.0003	Feature Release	April 2016

### BOOTROM COMPATIBILITY

This version of firmware is compatible with all boot code versions.

### PLUGGABLE PORTS SUPPORTED

P/N	Description
10056H	1000Base-BX10-D Single Fiber SM, Bidirectional, 1490nm Tx / 1310nm Rx, 10 km, Simplex LC SFP (must be paired with 10057H)
10057H	1000Base-BX10-U, 1 Gb, Single Fiber SM, Bidirectional 1310nm Tx / 1490nm Rx, 10 km, Simplex LC SFP (must be paired with 10056H)
10052H	1000Base-LX, IEEE 802.3 SM, 1310 nm Long Wave Length, 10 KM, LC SFP

### PRODUCT FEATURES

Port Control:	802.3ad Dynamic and Static Link Aggregation
Speed/Duplex/Flow Ctrl	
Frame Size	
Status	
Statistics	
802.1D	IGMP Snooping v2/v3
802.1Q	MLDv1/v2 Snooping

Private VLAN	MAC based VLAN
Protocol based VLAN	Subnet based VLAN
DHCP Relay	MVR
802.1ad Provider Bridge	MSTP,RSTP,STP
ARP Inspection	MVR Profile
DHCP Snooping	IP Source Guard
Port Mirror	Flow Control
GVRP GARP VLAN Registration	IPv6 Software Unicast Routing
802.1X - VLAN and QoS Assignment	MAC Authentication
Guess VLAN	RADIUS Accounting
MAC Address Limit	TACACS+
ACL for filtering/policing/port copy	Voice VLAN
Web and CLI Authentication	QoS
Storm Control	SSHv2 Management
RMON (Group 1,2,3,& 9)	RMON Alarm and Event (CLI and Web)
LLDP	sFlow
NTP	Syslog

## INSTALLATION AND CONFIGURATION NOTES

The ISW-Series switch may not be shipped to you pre-configured with the latest version of software. It is strongly recommended that you upgrade to the latest firmware version *before* deploying any new switches. Please refer to the product pages at [www.extremenetworks.com/support/](http://www.extremenetworks.com/support/) for the latest firmware updates to the ISW-Series.

Please refer to the **Firmware** tab on the ISW-Series product pages on the Extranet downloads site to view information on changes previous to the release information listed in this document.

Soft copies of the *ISW-Series Web Configuration Guide* and the *ISW-Series CLI Reference* are available on the Extreme Networks documentation site, [www.extremenetworks.com/documentation](http://www.extremenetworks.com/documentation).

## CAPACITIES

Feature	Capacity
IEEE 802.1s MSTP instances	8
IEEE 802.3ad LACP – Max LAGs	8
Port-based VLAN	4095
Guest-VLAN	1
Private VLAN	Depends on Port number: 8 or 12
Voice VLAN	1
MAC table size	8K
Multicast address	1K
MAC address limit	1024
Static MAC entries	64
RADIUS authentication servers	5
TACACS+ authentication servers	5
RADIUS accounting servers	5
Telnet/SSH v2	4
Max ARP inspection	1024
IP Source Guard entries	Up to 256
Policy-based security filtering	512
Password length	0~32
ACL Rate Limiter	16

Authorization user levels	15
ACE	Up to 256
User Account	20
Access Management Entries	16
DHCP Relay Server	1
DHCP Server Pool	64
Static Route	32
NTP Server	5
MVR VLAN	4
MAC-based VLAN	256
Protocol-based VLAN : Protocol to group mapping	128
Protocol-based VLAN : Group to VLAN mapping	64
Voice VLAN OUI	16
<b>Feature (port)</b>	<b>Capacity</b>
Jumbo frames	up to 9600
Port security aging	10 to 10000000s

## FIRMWARE CHANGES AND ENHANCEMENTS

N/A - this is the initial release.

## KNOWN RESTRICTIONS AND LIMITATIONS

### Known Issues in 1.00.00.003

The Ring protocol supported in this release is proprietary and not compatible with Ring protocols supported in other Extreme Networks platforms.

## STANDARD MIB SUPPORT

RFC No.	Title
RFC 1213	MIBII
RFC 1215	A Convention for Defining Traps for use with the SNMP
RFC 2613	Remote Network Monitoring MIB Extensions for Switched Networks
RFC 2674	Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions
RFC 2819	Remote Network Monitoring Management Information Base
RFC 3411	An Architecture for Describing Simple Network Management Protocol (SNMP) Management Frameworks
RFC 3414	User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3)
RFC 3415	View-based Access Control Model (VACM) for the Simple Network Management Protocol (SNMP)
RFC 3635	Definitions of Managed Objects for the Ethernet-like Interface Types
RFC 3636	Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs)
RFC 4133	Entity MIB (Version 3)
RFC 4188	Definitions of Managed Objects for Bridges
RFC 4668	RADIUS Authentication Client MIB for IPv6
RFC 4670	RADIUS Accounting Client MIB for IPv6
RFC 5519	Multicast Group Membership Discovery MIB

**EXTREME NETWORKS PRIVATE ENTERPRISE MIB SUPPORT**

No Extreme Private Enterprise MIBs are currently supported.

**SNMP TRAP SUPPORT**

RFC No.	Supported Traps
RFC 1213	Warm Start Link Up Link Down Authentication Failure
RFC 1493	New Root Topology Change
RFC 1757	RisingAlarm FallingAlarm

**GLOBAL SUPPORT**

By Phone: +1 877-801-7082 (toll-free in U.S. and Canada)

For the toll-free support number in your country:  
[www.extremenetworks.com/support/](http://www.extremenetworks.com/support/)

By Email: [support@extremenetworks.com](mailto:support@extremenetworks.com)

By Web: [www.extremenetworks.com/support/](http://www.extremenetworks.com/support/)

By Mail: Extreme Networks, Inc.  
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San Jose, CA 95134

For information regarding the latest software available, recent release note revisions, or if you require additional assistance, please visit the Extreme Networks Support web site.