



Firmware Version: 2.03.P008
Boot Code Version: 1.01.002
MIB Version: 2.03.P008
Published: Oct. 09, 2025.

These release notes include important information about D-Link switch firmware revisions. Please verify that these release notes are correct for your switch:

- If you are installing a new switch, please check the hardware version on the device label; make sure that your switch meets the system requirement of this firmware version. Please refer to [Revision History and System Requirement](#) for detailed firmware and hardware matrix.
- If the switch is powered on, you can check the hardware version by typing "show switch" command via Telnet or by checking the device information page on the web graphic user interface.
- If you plan to upgrade to the new firmware release, please refer to the [Upgrade Instructions](#) for the correct firmware upgrade procedure.

For more detailed information regarding our switch products, please refer to [Related Documentation](#).

You can also download the switch firmware and technical documentation from <http://tsd.dlink.com.tw>.

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Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
Runtime: V2.03.P008 Boot: 1.01.002	02-Sep-2025	DXS-1210-10TS/1 0MP/12TC/12SC/1 6TC B1	B1
Runtime: V2.03.P007 Boot: 1.01.002	14-May-2025	DXS-1210-10TS/1 0MP/12TC/12SC/1 6TC B1	B1
Runtime: V2.02.P009 Boot: 1.01.002	12-Aug-2024	DXS-1210-10TS/1 0MP/12TC/12SC/1 6TC B1	B1
Runtime: V2.02.P008 Boot: 1.01.002	7-Jun-2024	DXS-1210-10TS/1 0MP/12TC/12SC/1 6TC B1	B1

Upgrade Instructions:

D-Link Switches support firmware upgrade via TFTP server. You can download the firmware from D-Link web site <http://tsd.dlink.com.tw>, and copy the downloaded firmware to the TFTP server folder. Please make sure that the TFTP server is accessible from the switch via networks.

Upgrade using CLI (via Console or Telnet)

1. If you use Telnet, please make sure the network connection between the switch and PC is active. If you use Console, please use "Serial to USB" cable connect switch console port and PC USB interface.

2. Via Telnet: Use software that supports telnet, for example, HyperTerminal or Telnet command in Microsoft Windows, to connect to the switch. If you are using Telnet command, type the command followed by the switch IP address, eg. *telnet 10.90.90.90*.

Via Console: Use software that supports serial communication, for example, HyperTerminal, Putty or SecureCRT to connect switch console port with band rate **115200**.

3. The logon prompt will appear.

The switch will prompt the user to enter his/her username and password. Both the default user name and password are **"admin"**.

The switch not support to upgrade current startup image id, will automatically upgrade to another image id.

To upgrade the switch firmware, execute the following command:

Command	Function
copy tftp://LOCATION/SOURCE-URL	Download firmware file from the TFTP server to the switch.

When completing firmware upgrade, the following messages will pop up.

```
Switch# copy tftp://10.90.90.99/DXS-1210-SERIES-B1-V2-00-008-FW.hex
TFTP Firmware Upgrade processing.....Do not power off!!
Firmware upgrade successfully!
Switch#
```

4. Select image id that was successful upgrade firmware as next start up image id, reboot system and execute the following command to check the firmware version and switch's information.

Command	Function
show switch	Display the information of current firmware and boot version.
show firmware	Display the information of the image or firmware.

Example:

```
1. Switch# copy tftp://10.90.90.99/DXS-1210-SERIES-B1-V2-00-008-FW.hex
TFTP Firmware Upgrade processing.....Do not power off!!
Transferring firmware..... 10%
Firmware upgrade successfully!
```

Switch#

2. Switch# **show switch**

Device Information

```
Device Type       : DXS-1210-12TC 10GbE Smart Managed Switch
System Name      : Switch
System Location   :
System Contact    :
Boot PROM Version : 1.00.002
Firmware Version  : V2.00.P008
Hardware Version  : B1
MAC Address       : 00-27-29-53-68-32
IP Address        : 10.90.90.90
Mask              : 255.0.0.0
Gateway           : 0.0.0.0
System Time       : 01/01/2021 00:01:56
Serial Number     : QQDMS12345600
```

Switch#

3. Switch# **show firmware**

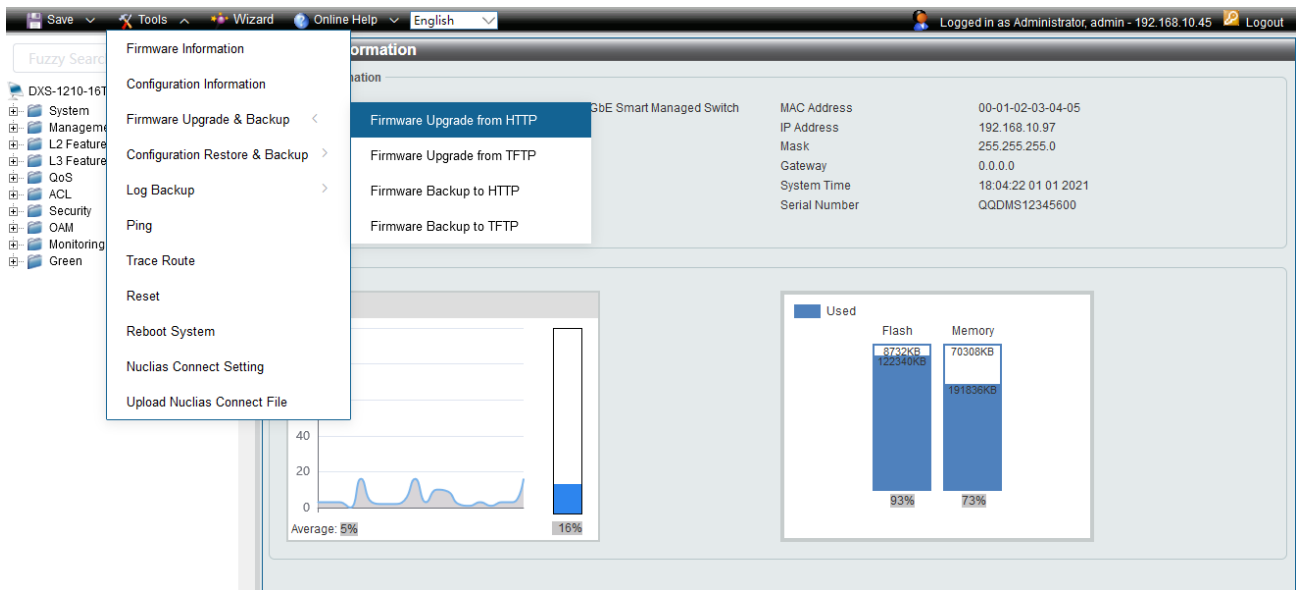
Image ID	Version	Size(B)	Update Time
1	V2.00.008	32202112	01/01/2021 02:23:32
*2c	V2.00.008	27630976	01/01/2021 00:03:07

c : Current boot up firmware

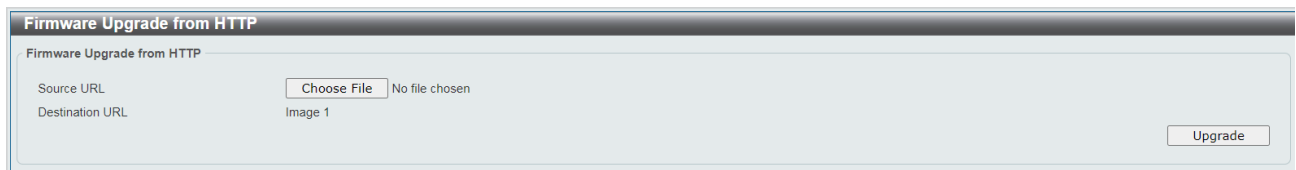
* : Boot up firmware

Upgrade using Web-UI

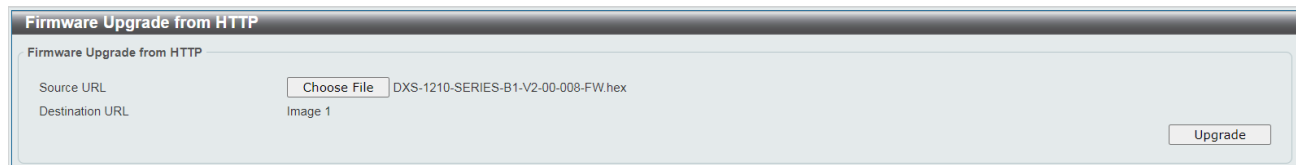
1. Connect a workstation to any switch port of the device.
2. Open the web browser from the workstation and enter the IP address of the switch. The switch's default IP address is 10.90.90.90.
3. Press OK to login. Both the username and password are **"admin"** by default.
4. To update switch's firmware or configuration file, select **Tools > Firmware Backup & Upgrade** from the banner.



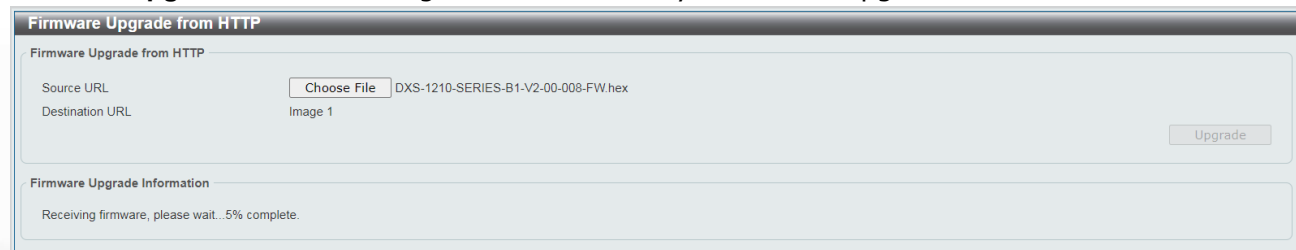
5. Two methods can be selected : **HTTP** or **TFTP**
6. Select **Firmware Update from HTTP** to upgrade the firmware to or from your local drive of PC.



- a. Click **“Choose File”** to browse your inventories for a saved firmware file



- b. Click **Upgrade** after selecting the firmware file you want to upgrade



- c. It will be download the firmware file to DUT.
- d. When download success, do not power off, and will continue process upgrading (write firmware to flash).

- e. Wait until the "Firmware Upgrade Successful" message pops up.

7. Select **TFTP** to upgrade the firmware to or from a remote TFTP server.

- Enter the TFTP server IP and the URL of the firmware file located on the TFTP server.
- Click **Upgrade** after selecting the firmware file you want to restore.
- It will be download the firmware file to DUT.

- d. When download success, do not power off, and will continue process upgrading (write firmware to flash).

Firmware Upgrade from TFTP

Firmware Upgrade from TFTP

TFTP Server IP: 10 . 90 . 90 . 145 ☒ IPv4 ☐ IPv6

Source URL: DXS-1210-SERIES-B1-V2.0

Upgrade

Firmware Upgrade Information

Processing upgrade, please wait... 51% complete.

e. Wait until the firmware upgrade ends.

Firmware Upgrade from TFTP

Firmware Upgrade from TFTP

TFTP Server IP: . . . ☒ IPv4 ☐ IPv6

Source URL: 64 chars

Upgrade

Warning

Firmware upgraded success.

OK

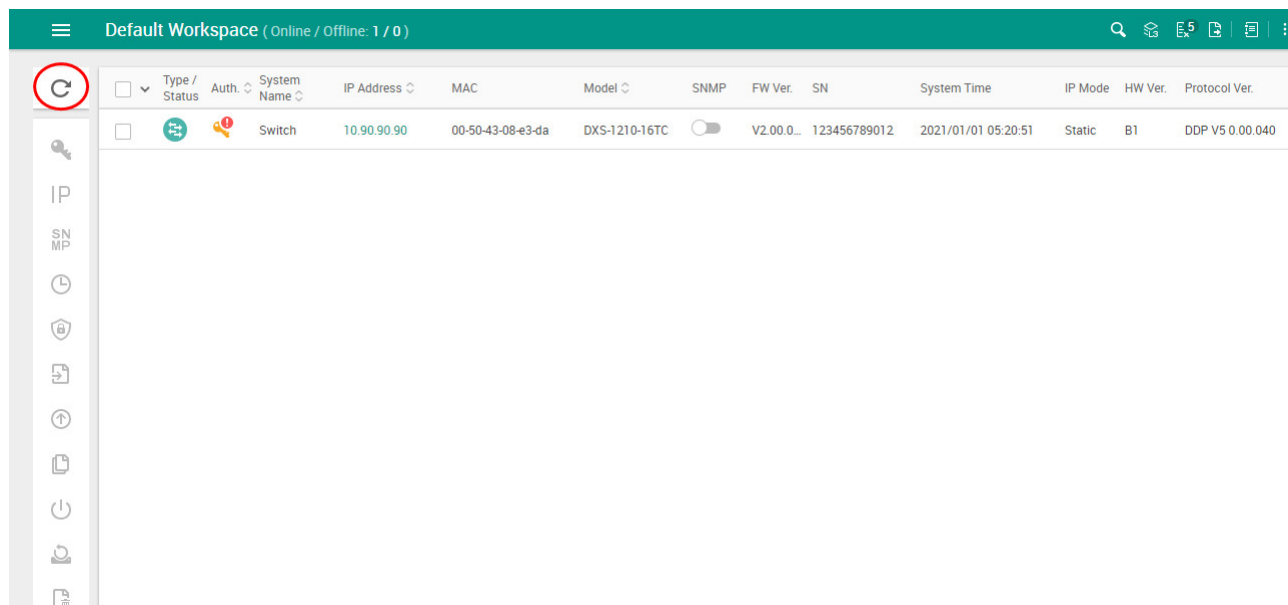
Upgrade using D-Link Network Assistant App

1. Connect a workstation installed with java SE runtime environment to any switch port of the device. Install DNA App in Web Store of Chrome Browser.
2. Execute D-Link Network Assistant App.

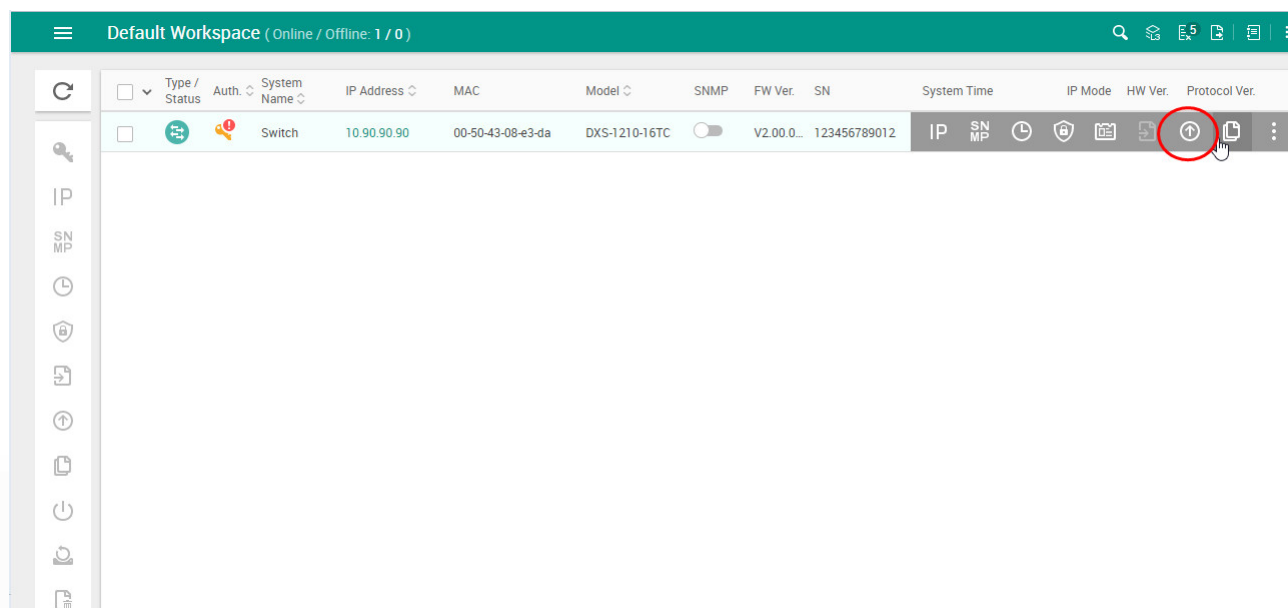
Default Workspace (Online / Offline: 1 / 0)

Type / Status	Auth.	System Name	IP Address	MAC	Model	SNMP	FW Ver.	SN	System Time	IP Mode	HW Ver.	Protocol Ver.
Switch			10.90.90.90	00-50-43-08-e3-da	DXS-1210-16TC		V2.00.0_	123456789012	2021/01/01 05:20:51	Static	B1	DDP V5 0.00.040

3. Click Refresh button to search target switch



4. Move mouse to target device entry, then click "Upgrade firmware" button into upgrade firmware page



5. Click Browse button and select the firmware file (Model name- FW version .hex) on your local hard drive.

Default Workspace (Online / Offline: 1 / 0)

Type / Status	Auth.	System Name	IP Address	MAC	Model	SNMP	FW Ver.	SN
Switch		Switch	10.90.90.90	00-50-43-08-e3-da	DXS-1210-16TC	Off	V2.00.008	123456789012

Upgrade firmware (10.90.90.90) X

Current firmware version

V2.00.008

Update firmware using a local file

Drag & drop
firmware file here, or **browse**

6. Click "Upgrade now" button to start firmware upgrade.

Default Workspace (Online / Offline: 1 / 0)

Type / Status	Auth.	System Name	IP Address	MAC	Model	SNMP	FW Ver.	SN
Switch		Switch	10.90.90.90	00-50-43-08-e3-da	DXS-1210-16TC	Off	V2.00.008	123456789012

Upgrade firmware (10.90.90.90) X

Current firmware version

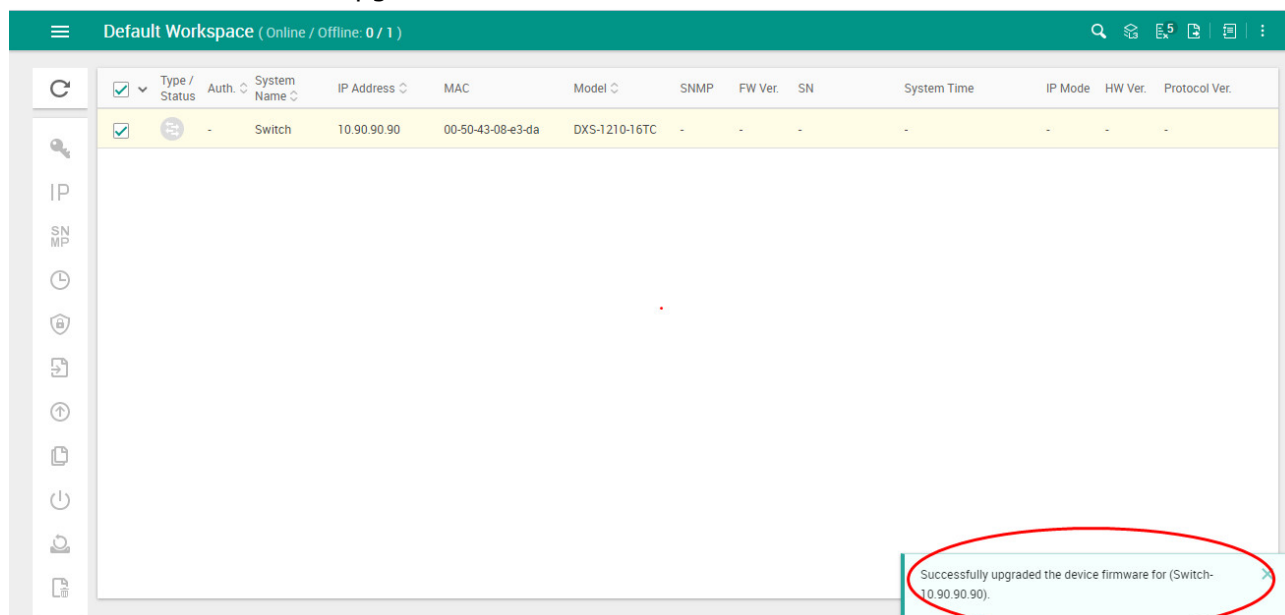
V2.00.008

Update firmware using a local file

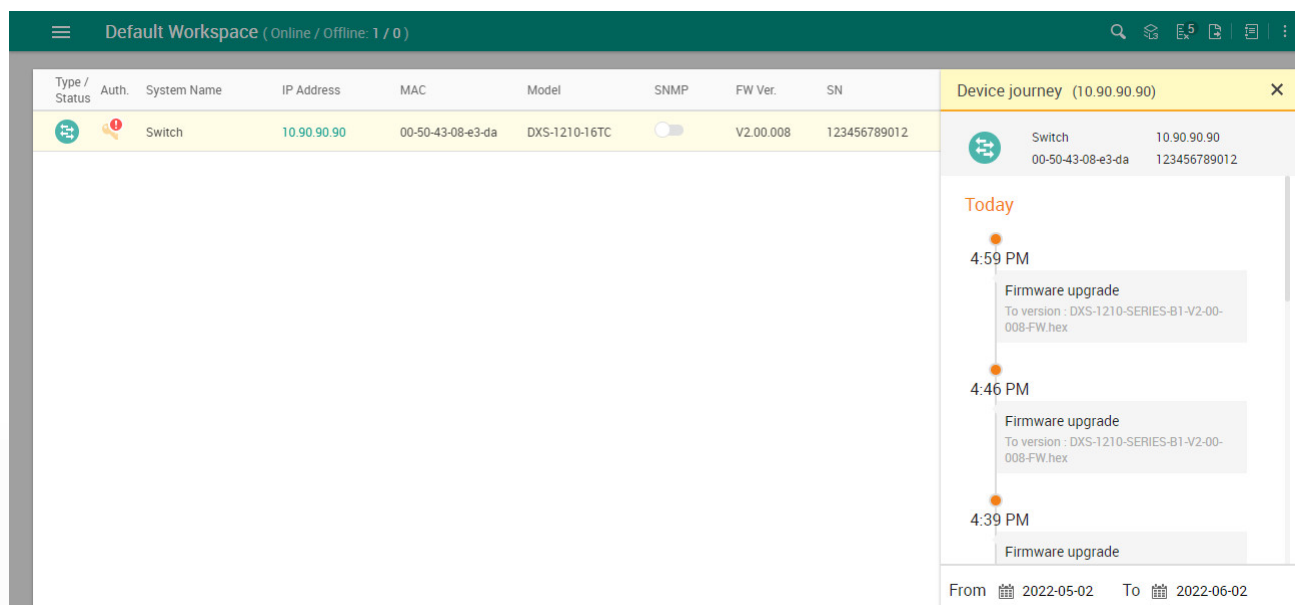
Firmware file DXS-1210-SERIES-B1-V2-00-008-FW.hex

Cancel **Upgrade now**

8. Wait until firmware upgrade finished.



9. The DNA pop an information to notify firmware upgrade status. Also can get firmware upgrade status from "Device journey" page.



New Features:

Firmware Version	New Features
V2.03.P008	None.
V2.03.P007	- Change password check rules to 1.1. Password length must be between 8 and 30 characters 1.2. Password must contain at least one number 1.3. Password must contain at least one special symbol 1.4. Password must not be the same as user name 1.5. Password must not include default IP address - Upgrade openssl from 1.1.1q to 1.1.1w. - Support DHCP relay and DHCPv6 relay.
V2.02.P009	Enable SSH since device startup
V2.02.P008	First Release Support DXS-1210-10MP

Changes of MIB :

For detailed changes of MIB content, please refer to the modification history in each MIB file.

Mib Version	MIB File	New Features
V2.03.P008	DXS-1210-SERIES-V2.03.P008.mib	None
V2.03.P007	DXS-1210-SERIES-V2.03.P007.mib	1. Support DHCP relay and DHCPv6 relay.
V2.02.P009	DXS-1210-SERIES-V2.02.P009.mib	None
V2.02.P008	DXS-1210-SERIES-V2.02.P008.mib	First Release 1. Support DXS-1210-10MP 2. Support smart fan quiet mode in DXS-1210-10MP

Changes of Command Line Interface:

The section below only shows command line changes that may bring backward compatibility issues with configuration settings for previous version of firmware.
Any new feature commands that do not have backward compatibility issues are not included in the below section.

Firmware Version	Changes
V2.03.P008	None
V2.03.P007	DXS-1210-SERIES-V2.03.P007.mib 1. Support DHCP relay and DHCPv6 relay.
V2.02.P009	None
V2.02.P008	First Release Support smart fan quiet mode in DXS-1210-10MP

Problem Fixed:

Firmware Version	Problems Fixed
V2.03.P008	- DHCPv6 Relay sometimes cannot work. - The Reset of webgui/CLI cannot reset IPv6 setting - With Unicast / Multicast address relay destination, DXS-1210 sometimes will relay one kind. - DHCPv6 multiple relay does not working without routing config. - Error message output on CLI console - SSL Service Policy - Cipher Suites cannot disable all - Clients fail to obtain IP in the multiple relay and multi-tag environment.
V2.03.P007	- Switches locking up until reboot. - Problem with double tagging. - Invalid firmware via https. - If we disabled any one storm control, then all storm control on that port get deactivated. - DXS-1210 will crash after generating rsa modulus - The error counter cannot be displayed when the input command is incomplete. - When the add or remove parameter is not specified, the specified VLAN list won't overwrite the advertise VLAN list - The delete static address function cannot work well. - Gets influence of ipv6 acl in line tel in ssh.[DI20240919000003-Japan] - Shows a wrong err msg in case of port-channel. / similar to DI20230817000006[DI20240924000001-Japan](bug 78592)

	- Unknown key INT[DI20241024000001-Japan] (bug 78768) 'terminal length' doesn't work w/ static arps properly / similar to DI20240325000003[DI20240919000005-Japan] 'sp' should not works as 'speed' and "spa". / relate to DI20231010000003[DI20240924000002-Japan] - Doesn't show 'int cou err'.[DI20240903000005-Japan] - Time Range doesn't work after reboot.[DI20240917000002-Japan] - Perpetual PoE / same as DI20220829000010[DI20240917000001-Japan] - doesn't erase static MAC entries on channel when it's deleted.[DI20240909000002-Japan] - Cable Diagnostics.[DI20240917000003-Japan] - Fan Mode.[DI20240917000004-Japan] - no arp' doesn't work w/o any error.[DI20240919000006-Japan] 'terminal length' doesn't work w/ static arps properly / similar to DI20240325000003[DI20240919000005-Japan]
V2.02.P009	- Delete vlan 2-4094 the switch will hang and will recover after 10 minutes. - FDB-Disable FDB learn by port range. - Session Timeout[DEUR20240606000001-Central Europe] - Crash issue occurs on SNMPv3 test - Can't enable PoE traps on GUI. - Verify the executability of Error recovery command on Interface configuration mode
V2.02.P008	- After delete VLAN, switch can't learn the correct number of the port-security hosts - DXS-1210 cannot display error counter for CRC Error packet - Combo port cannot linkup after clicking "Stop button of Locate Device - DXS-1210 can not show the correct linkup log when it has been rebooted - Show running config filter has issues when we us - Unable to filter show config with dash in the include exclude tex - DXS-1210 Rev.B1 spec SSH max sessions Should be support 4 entrys,but we only to connect 3 entrys - Save config (copy running-config startup-config) and reboot Switch. Port Mirroring settings will be cleaned - VBG21110188: We find system name/System location/System Contact does not follow SPEC of CLI - The decimal places displayed by Web and CLI are inconsistent - Not show any further log after link-down - Typo on error message when setup invalid IPv4 Addr - Unable to create static multicast entries successfully - Unable to identify device when set voice vlan mode as manual - FDB-Change PVID of port which has been added into FDB entry

Known Issues:

Firmware Version	Issues	Workaround
V2.02.P008 -V2.03.P008	1.ERPS and LBD should cannot enable by port not global settings, DXS-1210 B1 need to change per-port state check from Global statt	Won't fix. Design limitation.
	2.There are the compatibility issue with smartbit Gigabit Card : - When use smartbit Gigabit Card will occur CRC error. - When use smartbit 10/100Base Ethernet Card will not occur CRC error.	Won't fix. The smartbit's Gigabit and 10/100Base cards are used in laboratory environments. RD will check if the smartbit card needs to be upgraded

p.s. In half duplex mode will drop packets is normal behavior	
3.The DUT does not support RMON2.MIB Default Route settings.	The RMONv2 is not supported in FCS.
4.The DUT Cable Diagnostics test result always display N/A without combo port via 1m cable length.	Won't fix. Cable diagnostics are available for long cables.
5.The DUT Cable Diagnostics clear all cannot clear combo port check result.	Won't fix. The previous check result will be clear when
6.The DUT Cable Diagnostics test result display all pairs OK not open or short with no power link partner.	Won't fix. Cable diagnostics are available for long cables
7.DUT1 port1-4 TX/sec should be equal with Load balance 'mac_source_destination'.	Won't fix. HW limitation.
8.Follow D-link Criteria,enable EEE function ports state should NOT be link-down.	This release doesn't support EEE. Due to chipset limitation, EEE is removed on 1st firmware release. If available, it will be added back in the future.
9.Follow D-link Criteria,the EEE function only support in auto-negotiation mode enable	This release doesn't support EEE. Due to chipset limitation, EEE is removed on 1st firmware release. If available, it will be added back in the future.
10.When you set broadcast, multicast and unicast with different threshold value, DUT will use the last value to replace others. 	Won't fix. HW limitation.
11.Port LED will randomly light up when we plug the power.(Hardware Limitation)	Won't fix. This situation only appeared when the device at power on state.
12.DUT can not drop TCP Tiny Fragment Attack packets.	Won't fix. HW limitation.
13.When transmit 32767 Random MAC address learning result just display 26209 (maximum FDB entries should be 32767)	Known issue. If the transmit rate is 100% this issue will have appeared
14.When transmit 32767 increment MAC address learning result just display 25715 (maximum FDB entries should be 32767)	Known issue. If the transmit rate is 100% this issue will have appeared.
15.Port security delete on timeout, sometimes DUT clear the mac before the aging time.	Won't fix. Design rule limitation(polling interval 30 sec, will affect aging timeout result.)

16.DXS-1210 B1 does not support cross VLAN routing via jumbo frame.	Won't fix. HW limitation.
17.DXS-1210 B1 GVRP control packets priority is higher than ACL deny.	Won't fix. Hardware Limitation
18.By criteria, Port security and IMPB functions should not use at the same time.	Won't fix. IMPB doesn't support strict mode in FCS.
19.DXS-1210 B1 STP control packets priority is higher than ACL deny.	Won't fix. Hardware Limitation
20.Because DXS-1210 B1 Marvell solution rate is not same 1:1 in the same Queue.	
21.Multicast data streams with same MAC and different IP should be differentiated for L3 switch	Won't fix. It doesn't support IP base in FCS.
22.Multicast data streams with same MAC and different IP should be differentiated for L3 switch.	Won't fix. It doesn't support IP base in FCS.
23.DXS-1210 B1 Series Voice VLAN dynamic member forward Voice VLAN ID packets need 2nd packets, the first one packets cannot change to Voice VLAN ID.	Won't fix. Design limitation.
24.DXS-1210 B1 Series traceroute result will be affect when lots ARP packets trap to CPU.	Known issue. If the transmit rate is 100% this issue will have appeared.
25.Sometimes DUT disconnect and reconnect, the LACP cannot forward the packets via routing.	Known issue. The issue only occurs when trying to add a new port in the current LACP group.
26. We found that the dns server on DNC is empty after disable nms then enable nms	
27. After several times of use command -> clear running-config ->use command, the web sometimes will display unnormal.	
28.username cannot be set to "root" and an error message "Username is illegal" will be displayed.	
29. After repeating configure and clear running-config , the port will link down and link up.	
30.The current configuration size of the DUT is inconsistent with the configuration size uploaded to the TFTP server.	

31. We can enable STP global mode and LBD global mode at the same time from DNH.	SW Limitation
32. DUT flushes the error log(Error: Failed to to perform SMBUS IOCTL WRITE transaction: No such device or address) suddenly.	HW Limitation
33. Compatibility Test (IOT Test) AIR-AP1242AG-A-K9 , PoE works normally, Ethernet does not work.	Known issue. Marvell PHY compatibility issues. Change dut port speed to 100M that it will fixed the issue.
34.The console printed some error log whing plug-unplug the 10G transceiver "DEM-431XT_C1, DEM-432XT_E1".	HW Limitation
35. Different profiles share one "permit" rule ?	Spec issue
36.DKP1704042-010 DoS Prevention - TCP Tiny Fragment Test	HW Limitation
37. The MAX. length of ACL name is 32, but the error message just showed "Invalid Command".	SW Limitation
38. Flow control oper detect issue	Chip Limitation It doesn't support link partner FC status register
39. Jumbo Frame-802.1Q tagged frame	HW Limitation
40.LLDP class 6 negotiation failed, the class negotiation result failed.	Known issue
41. After delete VLAN, the current number of the interface cannot display correctly.	Known issue
42.When the address is full on the system, DUT doesn't record the log	Known issue
43. Aging Type_Inactivity cannot work well.	Known issue
44. client will not receive igmp query packets	Known issue
45.[Basic Check_Fans Status] [DXS-1210-12TC ver2.02.008]DXS-1210-12TC has error message after apping "show	Known issue

environment fan"	
46.The vlan feild cannot display correctly on CLI.	Known issue
47.When delete SNMP View Table default entry settings will be can not create max entry and pop-up error message	Known issue
48.DUT response ping with fragment	Known issue
49.We set the session timeout to 2 minutes, the session will not automatically log out after that time.	Known issue
50.Even after changing the language, it still displays the English version of "Table is empty".	Known issue
51.The table of MSTP summary information has extra fields.	Known issue
52.Some MSTP configurations cannot be deleted by clear running-config.	Known issue
53.It will log out and not display the password rule when we set the admin password without meeting the password requirements.	Known issue
54.It will log out when we set the admin password without meeting the password requirements.	Known issue
55.We use the IP address of VLAN 2 to access the web, but the IP displayed in the Web Device Information is that of VLAN 1.	Known issue

Related Documentation:

- DXS-1210 Series B1 User Manual
- DXS-1210 Series Getting Started Guide