



1910 series 2.00 firmware GUI Enhancement

2014 / July

- **In order to facilitate user friendly experience and enhance GUI usability, there are some Web GUI usability enhancements have been made in the firmware version v2.00 of 1910 series.**
- **Changes are presented in the following aspects :**
 - Configuration file format
 - Network Initial Set-up
 - Network Management



GUI Directory	Change Description	Benefit
N/A	Change configuration file from the XML base to text base	Make consistent with the ZyXEL managed switch
	Apply won't save to flash automatically	Verify the setting after apply is correct then save to startup configuration. Any mis-configuration can be roll back to last save status after reboot.

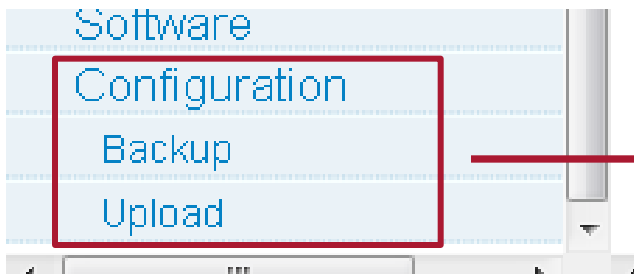
Note :

1.The firmware upgrade will upgrade the configuration file into text mode too. Be sure renew your backup configuration file after you finish the upgrade procedure.

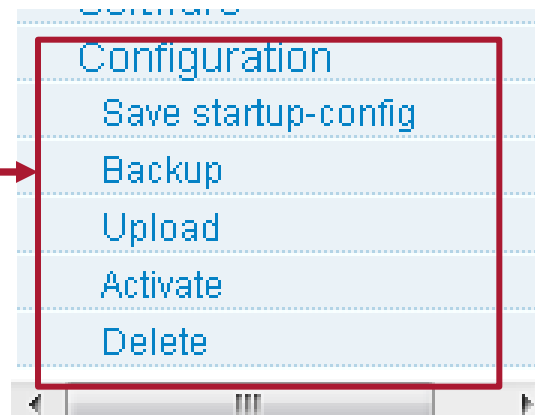
2.Remember to click save after you confirm the change is you really want.

- Change from VCFG(XML format) to ICFG(txt type)

WAS



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GUI Directory	Change Description	Benefit
System > IP	Combine the configuration pages of IPv4 and IPv6 into one	List all the IP-related settings in the same page to reduce configuration efforts
Security > Network > DHCP	Move the DHCP setting page to the upper layer of configuration directory	One of the most common features to be managed. This allows administrators quickly set up the device.



IP Configuration (Original)

WAS

- IPv4 & v6 locate in different pages

IP Configuration

	Configured	Current
DHCP Client	<input checked="" type="checkbox"/>	<button>Renew</button>
IP Address	192.168.1.1	10.9.52.121
IP Mask	255.255.255.0	255.255.255.0
IP Router	0.0.0.0	10.9.52.200
VLAN ID	1	1
DNS Server	0.0.0.0	10.9.52.24

IPv6 Configuration

	Configured	Current
Auto Configuration	<input type="checkbox"/>	<button>Renew</button>
Address	::192.0.2.1	::192.0.2.1 Link-Local Address: fe80::201:5ff:fe02:503
Prefix	96	96
Router	::	::

Apply

Reset



IP Configuration (New)

- IPv4 & v6 merged in the same page

IS

IP Configuration

Mode Host ▾

DNS Server No DNS server ▾

DNS Proxy ☐

IP Interfaces

Delete	VLAN	Enable	IPv4 DHCP		IPv4		IPv6	
			Fallback	Current Lease	Address	Mask Length	Address	Mask Length
<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	0	10.9.52.123/2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Add Interface

IP Routes

Delete Network Mask Length Gateway Next Hop VLAN

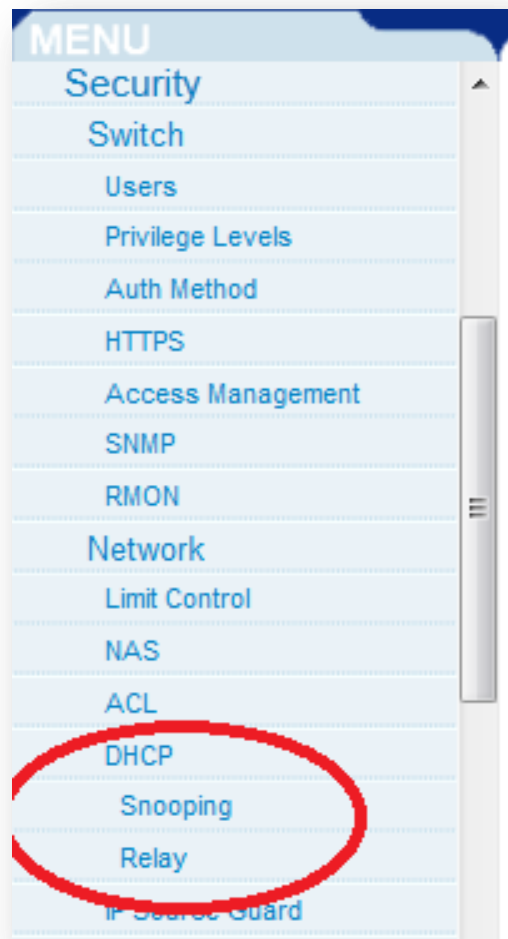
Add Route

Save

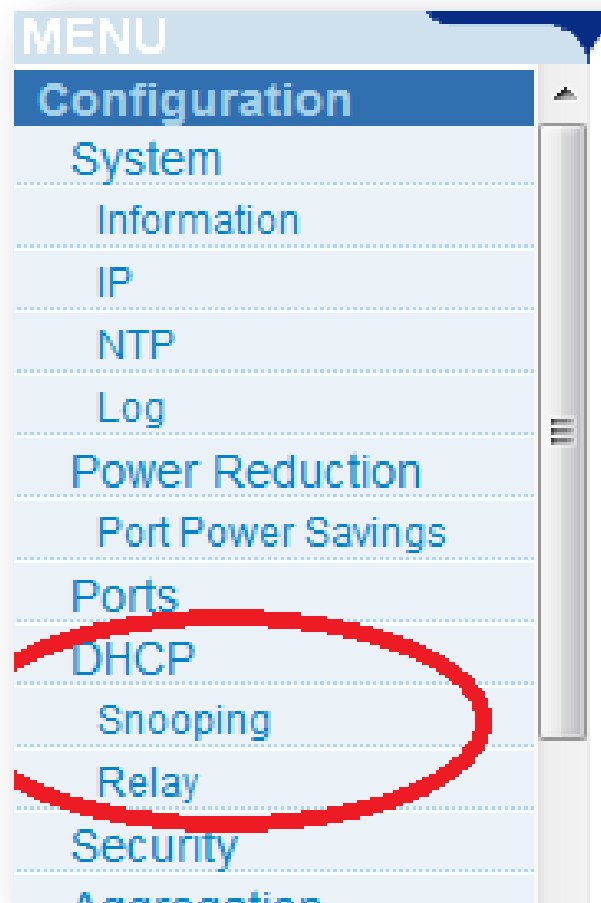
Reset

- Move it from Security/Network/ to the root directory.

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GUI Directory	Change Description	Benefit
DHCP > Relay	Add DHCP relay information format (option 82) setting in GUI	No need to modify the server setting to support the function. Allow consistent ZyXEL configuration in relay information format
Security > AAA	1. Separate RADIUS/TACACS+ setting 2. Configurable priority of authentication server	More flexible and granular management in network access control
VLANs	Combine the "allowed VLANs" (VLAN member) and "Port VLAN" setting in the same page	These 2 items are usually considered together when configuring. Put VLAN related items together for quick set-up and thorough consideration.
Multicast	Configurable IGMP packet priority	Improve the service level of multi-cast
	<ul style="list-style-type: none">- New IPMC profile page- Modified as object-based configuration profile of MVR and IGMP/MLD filtering	Change the configuration methodology to facilitate the management

- Add Relay Information Format (option 82) to allow users to choose the different format combination

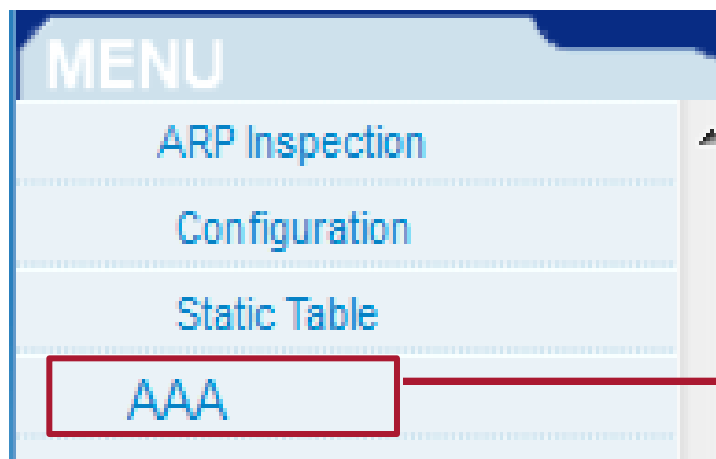
DHCP Relay Configuration

Relay Mode	Disabled
Relay Server	0.0.0.0
Relay Information Mode	Disabled
Relay Information Format	MODULE_ID/PORT_NO/VLAN_ID
Relay Information Policy	VLAN_ID/MODULE_ID/PORT_NO MODULE_ID/PORT_NO/VLAN_ID

Apply Reset

- **Divide it to two pages (RADIUS and TACACS+) to allow individual and granular configuration**

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Authentication Server Priority

- Allow users to choose the primary/secondary/third priority of authentication server instead of being forced fallback to local

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Authentication Method Configuration

Client	Authentication Method	Fallback
web	local	<input type="checkbox"/>

IS

Authentication Method Configuration

Client	^{1st} Methods	^{2nd}	^{3rd}
http	tacacs	radius	local

IGMP Packet Priority

- Item term change
- Add priority for setting

WAS

IGMP Snooping VLAN Configuration

[Refresh](#)Start from VLAN with entries per page.

Delete	VLAN ID	Snooping Enabled	IGMP Querier	Compatibility	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI (sec)
--------	---------	------------------	--------------	---------------	----	----------	---------------	----------------	-----------

[Add New IGMP VLAN](#)[Apply](#)[Reset](#)

Term change

IS

IGMP Snooping VLAN Configuration

[Refresh](#)[|<<](#)[>>|](#)Start from VLAN with entries per page.

Delete	VLAN ID	Snooping Enabled	Querier Election	Querier Address	Compatibility	PRI	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI (sec)
--------	---------	------------------	------------------	-----------------	---------------	-----	----	----------	---------------	----------------	-----------

Adding "priority"

[Add New IGMP VLAN](#)[Apply](#)[Reset](#)



Port VLAN & Allowed VLAN

- Merge two web pages to one page shown below.

Global VLAN Configuration

Existing VLANs

1-8

Ethertype for Custom S-ports

88A8

Port VLAN Configuration for Switch 1

Port	Mode	Port VLAN	Port Type	Ingress Filtering	VLAN Trunking	Ingress Acceptance	Egress Tagging	Allowed VLANs	Forbidden VLANs
*	<>	1	<>	<input type="checkbox"/>	<input type="checkbox"/>	<>	<>	1,3,5,7	
1	Hybrid	1	C-Port	<input type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1,3,5,7	
2	Trunk	1	C-Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag Port VLAN	1-4095	
3	Access	1	C-Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag All	1	
4	Access	1	C-Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag All	1	
5	Access	1	C-Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag All	1	
6	Access	1	C-Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag All	1	
7	Access	1	C-Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag All	1	
8	Access	1	C-Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag All	1	
9	Access	1	C-Port	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Tagged and Untagged	Untag All	1	

Profile-based Multicast Setting

■ Newly added IPMC Profile

- Set up profiles in IPMC Profile > Profile Table first
- Go to IPMC > IGMP or MLD > Port Filtering Profile to enable the profiles








Set up profiles for using



Take IGMP as the example, then enable the profiles here

IGMP Snooping Port Filtering Profile Configuration

Port	Filtering Profile
1	 Demo ▼
2	 Navigate Profile Demo
3	 Demo ▼
4	 - ▼
5	 - ▼

GUI Directory	Change Description	Benefit
N/A	Add shortcut "Home" buttons in the frame	To jump to home page with short cut.
Security > HTTPs	Add options of generating 512/1024 bits certificate	Improved security and IE 10 support
Security > Access Management	Add selectable access VLAN ID	Improved flexibility in access control policy
SNMP > Trap	Trap event enabled by group ex. By interface, by system...	Decrease the loading of management. Just watch the focus information
SNMP > Users	Add AES encryption mode	Add options of providing secure management way
sFlow	Add configuration item of source IP address	Enable the automation of traffic analysis
ARP Inspection	Can be enabled by Port or VLAN	Granular ARP管理的細緻度



Top page

- Add Home icon

ZyXEL GS1910-24 GigaBit Ethernet Switch

Home icon (circled in red)

Configuration
Monitor
System
Power Reduction
Ports
State
Traffic Overview
QoS Statistics
QCL Status
Detailed Statistics
DHCP
Security

Port State Overview

Auto-refresh ☐ Refresh

ZyXEL GS1910-24

Port 1 is highlighted in green.

- Add options of generating 512/ 1024 bits certificate

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HTTPS Configuration

Mode

Automatic Redirect

Apply

Reset

IS

HTTPS Configuration

Mode

Automatic Redirect

Generate Certificate

Apply

Reset



Access Mgmt Configuration

- Add selectable access VLAN ID

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Delete	Start IP Address	End IP Address	HTTP/HTTPS	SNMP
<input type="button" value="Delete"/>	<input type="text" value="0.0.0.0"/>	<input type="text" value="0.0.0.0"/>	<input type="checkbox"/>	<input type="checkbox"/>

IS

Delete	VLAN ID	Start IP Address	End IP Address	HTTP/HTTPS	SNMP
<input type="button" value="Delete"/>	<input type="text" value="1"/>	<input type="text" value="0.0.0.0"/>	<input type="text" value="0.0.0.0"/>	<input type="checkbox"/>	<input type="checkbox"/>



Trap Configuration

- Add the trap page to allow to enable/disable the specific trap.

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SNMP Trap Configuration

Trap Mode	Disabled
Trap Version	SNMP v3
Trap Community	public
Trap Destination Address	
Trap Destination IPv6 Address	::
Trap Authentication Failure	Enabled
Trap Link-up and Link-down	Enabled
Trap Inform Mode	Enabled
Trap Inform Timeout (seconds)	1
Trap Inform Retry Times	5
Trap Probe Security Engine ID	Enabled
Trap Security Engine ID	Probe Fail
Trap Security Name	None

IS

Trap Configuration

Global Settings

Mode: Disabled

Trap Destination Configurations

Delete	Name	Enable	Version	Destination Address	Destination Port
<input type="checkbox"/>	legacy	Disabled	SNMPv1	0.0.0.0	162

Trap Configuration

Trap Config Name	legacy
Trap Mode	Disable
Trap Version	SNMP
Trap Community	public
Trap Destination Address	0.0.0.0
Trap Destination Port	162
Trap Inform Mode	Enable
Trap Inform Timeout (seconds)	1
Trap Inform Retry Times	5
Trap Probe Security Engine ID	Enabled
Trap Security Engine ID	
Trap Security Name	None

SNMP Trap Event for Switch 1

System	<input type="checkbox"/> Warm Start	<input type="checkbox"/> Cold Start
Interface	Link up <input type="radio"/> none <input type="radio"/> specific <input checked="" type="radio"/> all switches	
	Link down <input type="radio"/> none <input type="radio"/> specific <input checked="" type="radio"/> all switches	
	LLDP <input checked="" type="radio"/> none <input type="radio"/> specific <input type="radio"/> all switches	
AAA	<input type="checkbox"/> Authentication Fail	
Switch	<input type="checkbox"/> STP <input type="checkbox"/> RMON	

ZyXEL SNMPv3 User

- Add AES support

WAS

SNMPv3 User Configuration

Delete	Engine ID	User Name	Security Level	Authentication Protocol	Authentication Password	Privacy Protocol	Privacy Password
<input type="checkbox"/>	800007e5017f000001	default_user	NoAuth, NoPriv	None	None	None	None
Delete			Auth, Priv	MD5		DES	

Add New Entry Apply Reset

IS

SNMPv3 User Configuration

Delete	Engine ID	User Name	Security Level	Authentication Protocol	Authentication Password	Privacy Protocol	Privacy Password
<input type="checkbox"/>	800007e5017f000001	default_user	NoAuth, NoPriv	None	None	None	None
Delete			Auth, Priv	MD5		DES DES AES	

Add New Entry Apply Reset

ZyXEL sFlow

- Add configuration item of source IP address

WAS

sFlow Configuration

Receiver Configuration

Owner	<input type="text" value="<none>"/>	<input type="button" value="Release"/>
IP Address/Hostname	<input type="text" value="0.0.0.0"/>	
UDP Port	<input type="text" value="6343"/>	
Timeout	<input type="text" value="0"/>	seconds
Max. Datagram Size	<input type="text" value="1400"/>	bytes

Port Configuration for Switch 2

IS

sFlow Configuration

Agent Configuration

IP Address	<input type="text" value="127.0.0.1"/>
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Receiver Configuration

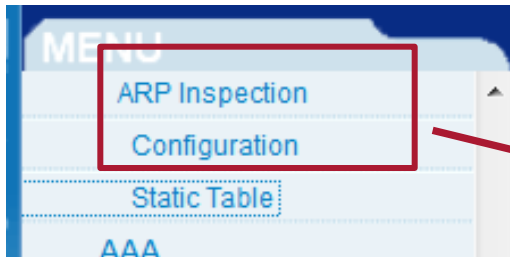
Owner	<input type="text" value="<none>"/>	<input type="button" value="Release"/>
IP Address/Hostname	<input type="text" value="0.0.0.0"/>	
UDP Port	<input type="text" value="6343"/>	
Timeout	<input type="text" value="0"/>	seconds
Max. Datagram Size	<input type="text" value="1400"/>	bytes

Port Configuration for Switch 2

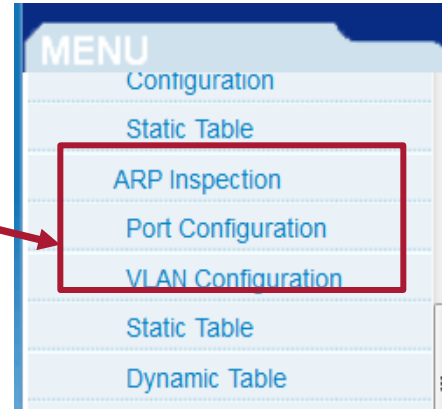
ARP Inspection

- Individual config page for port and VLAN, allowing users to enable on Port/VLAN and configure the log type.

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- Getting into port or VLAN configuration under ARP inspection, to check per VLAN or log type are also supported

Port Mode Configuration for Switch 2

Port	Mode
*	<>
1	Trust
2	Trust
3	Trust

Port Mode Configuration for Switch 2

Port	Mode	Check VLAN	Log Type
*	<>	<>	<>
1	Trust	Disabled	None
2	Trust	Disabled	None
3	Trust	Disabled	None
4	Trust	Disabled	None

GUI Directory	Change Description	Benefit
System > Time	Support settings of Daylight Saving	Synchronized the time information with localization.
LLDP > Neighbors	Wording modification	Easy to understand
Ports	Move energy efficiency related configurations from "port configuration" page to stand-alone "port power saving" page.	Display all configurable items in single page to reduce the engineer effort.
QoS	Combine and term change	More easy to understand and configuration

ZyXEL Daylight Saving

- Support configuration of day-light saving in time setting

WAS

MENU

- Configuration
- System
- Information
- IP
- IPv6
- NTP
- Log
- Power Reduction
- Ports
- Security
- Aggregation
- Spanning Tree
- MVR

System Information Configuration

System Contact

System Name

System Location

System Timezone Offset (minutes)

IS

Time Zone Configuration

Time Zone Configuration

Time Zone

Acronym (0 - 16 characters)

Daylight Saving Time Configuration

Daylight Saving Time Mode

Daylight Saving Time

Start Time settings

Month

Date

Year

Hours

Minutes

End Time settings

Month

Date

Year

Hours



LLDP Neighbor Information

- Header change

WAS

LLDP Remote Device Summary							Auto-refresh <input type="checkbox"/>	Refresh
Local Interface	Chassis ID	Port ID	Port Description	System Name	Capabilities Supported	System IP		
Port 8	00-12-CF-A8-6F-40	00-12-CF-A8-6F-41	Ethernet Port on unit 1, port 1		Bridge(+)	10.9.52.136 (IPv4)		

IS

LLDP Neighbor Information for Switch 2

LLDP Remote Device Summary							Auto-refresh <input type="checkbox"/>	Refresh
Local Port	Chassis ID	Port ID	Port Description	System Name	System Capabilities	Management Address		
Port 18	00-12-CF-A8-6F-40	00-12-CF-A8-6F-45	Ethernet Port on unit 1, port 5		Bridge(+)	10.9.52.136 (IPv4)		

Energy Efficiency Configuration

- Move energy efficiency related configurations from “port configuration” page to stand-alone “port power saving” page.

WAS

Port Configuration for Switch 2

Port	Link	Current	Speed	Flow Control			Maximum
			Configured	Current Rx	Current Tx	Configured	
*			<>			<input type="checkbox"/>	10056
1	Down	Down	Auto	×	×	<input type="checkbox"/>	10056
2	Down	Down	Auto	×	×	<input type="checkbox"/>	10056
3	Down	Down	Auto	×	×	<input type="checkbox"/>	10056
4	Down	Down	Auto	×	×	<input type="checkbox"/>	10056
5	Down	Down	Auto	✓	✓	<input type="checkbox"/>	10056

Refresh

Power Control

<>
Disabled
Disabled
ActiPHY
PerfectReach
Both
Disabled

IS

Port Power Savings Configuration

Port Configuration for Switch 1

Port	ActiPHY	PerfectReach	EEE
*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ZyXEL XGS1910 GigaBit Ethernet Switch

QoS Ingress Port Classification for Switch 2

Port	QoS class	BP level	DSCP Based
*	<>	<>	<input type="checkbox"/>
1	0	0	<input type="checkbox"/>
2	0	0	<input type="checkbox"/>
3	0	0	<input type="checkbox"/>
4	0	0	<input type="checkbox"/>
5	0	0	<input type="checkbox"/>
6	0	0	<input type="checkbox"/>
7	0	0	<input type="checkbox"/>
8	0	0	<input type="checkbox"/>
9	0	0	<input type="checkbox"/>
10	0	0	<input type="checkbox"/>
11	0	0	<input type="checkbox"/>
12	0	0	<input type="checkbox"/>
13	0	0	<input type="checkbox"/>
14	0	0	<input type="checkbox"/>
15	0	0	<input type="checkbox"/>
16	0	0	<input type="checkbox"/>
17	0	0	<input type="checkbox"/>

change the QoS function order as below :

QoS

Ingress rate limiting
802.1p Prioritization
DSCP Prioritization
DSCP-based QoS
Queuing method
QoS control List
Storm control

Description :

Port classification => rename to "802.1p Prioritization"
Port Policing => rename to "Ingress rate limiting"
Port Scheduler & Port shaping => combine and rename to "Queuing method"
Port Tag remarking => remove
Port DSCP : remove
DSCP-based QoS => keep
DSCP Translation => rename to " DSCP Prioritization"
DSCP classification => remove
QoS Control List => keep
Storm Control => Keep
WRED => remove

change to :

QoS

Ingress rate limiting
802.1p Prioritization
DSCP Prioritization
DSCP-Based QoS
Queuing method
QoS Control List
Storm Control

Port Mirroring

MENU

- MVR
- IPMC
- LLDP
- MAC Table
- VLANs
- Private VLANs
- VCL
- Voice VLAN
- QoS
- Port Classification**
- Port Policing
- Port Scheduler
- Port Shaping
- Port Tag Remarking
- Port DSCP
- DSCP-Based QoS
- DSCP Translation
- DSCP Classification
- QoS Control List
- Storm Control
- Port Mirroring
- UPnP
- sFlow
- Monitor

QoS Ingress Port Classification

Port	QoS class	DP level	PCP	DEI	Tag Class.	DSCP Based
*	<>	<>	<>	<>	Disabled	<input type="checkbox"/>
1	0	0	0	0	Disabled	<input type="checkbox"/>
2	0	0	0	0	Disabled	<input type="checkbox"/>
3	0	0	0	0	Disabled	<input type="checkbox"/>
4	0	0	0	0	Disabled	<input type="checkbox"/>
5	0	0	0	0	Disabled	<input type="checkbox"/>
6	0	0	0	0	Disabled	<input type="checkbox"/>
7	0	0	0	0	Disabled	<input type="checkbox"/>
8	0	0	0	0	Disabled	<input type="checkbox"/>
9	0	0	0	0	Disabled	<input type="checkbox"/>
10	0	0	0	0	Disabled	<input type="checkbox"/>
11	0	0	0	0	Disabled	<input type="checkbox"/>
12	0	0	0	0	Disabled	<input type="checkbox"/>
13	0	0	0	0	Disabled	<input type="checkbox"/>
14	0	0	0	0	Disabled	<input type="checkbox"/>
15	0	0	0	0	Disabled	<input type="checkbox"/>
16	0	0	0	0	Disabled	<input type="checkbox"/>
17	0	0	0	0	Disabled	<input type="checkbox"/>

Rename to "802.1p Prioritization"

delete

Noted :

Tag class : enable in default

MENU

- Configuration
- System
- Power Reduction
- Ports
- DHCP
- Security
- Aggregation
- Loop Protection
- Spanning Tree
- IPMC Profile
- MVR
- IPMC
- LLDP
- MAC Table
- VLANs
- Private VLANs
- VCL
- Voice VLAN
- Auto VoIP
- QoS
- Ingress rate limiting
- 802.1p Prioritization**
- DSCP Prioritization
- DSCP-Based QoS
- Queuing method
- QoS Control List
- Storm Control

802.1p Prioritization

Port	QoS class	DSCP Based	Address Mode
*	<>	<input type="checkbox"/>	<>
1	0	<input type="checkbox"/>	Source
2	0	<input type="checkbox"/>	Source
3	0	<input type="checkbox"/>	Source
4	0	<input type="checkbox"/>	Source
5	0	<input type="checkbox"/>	Source
6	0	<input type="checkbox"/>	Source
7	0	<input type="checkbox"/>	Source
8	0	<input type="checkbox"/>	Source
9	0	<input type="checkbox"/>	Source
10	0	<input type="checkbox"/>	Source
11	0	<input type="checkbox"/>	Source
12	0	<input type="checkbox"/>	Source
13	0	<input type="checkbox"/>	Source
14	0	<input type="checkbox"/>	Source
15	0	<input type="checkbox"/>	Source

QoS Ingress Port Policers

Port	Enabled	Rate	Unit	Flow Control
*	<input type="checkbox"/>	1000	<>	<input type="checkbox"/>
1	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
2	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
3	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
4	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
5	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
6	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
7	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
8	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
9	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
10	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
11	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
12	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
13	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
14	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
15	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
16	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
17	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>

Rename to "Ingress rate limiting"

Ingress Rate Limiting

Port	Enabled	Rate	Unit	Flow Control
*	<input type="checkbox"/>	1000	<>	<input type="checkbox"/>
1	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
2	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
3	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
4	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
5	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
6	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
7	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
8	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
9	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
10	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
11	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
12	<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>

Ingress rate limiting

MENU

- LLDP
- MAC Table
- VLANs
- Private VLANs
- VCL
- Voice VLAN
- QoS
- Port Classification
- Port Policing
- Port Scheduler
- Port Shaping
- Port Tag Remarking
- Port DSCP
- DSCP-Based QoS
- DSCP Translation
- DSCP Classification
- QoS Control List
- Storm Control
- Port Mirroring
- UPnP
- sFlow
- Monitor
- System
- Tools

QoS Egress Port Scheduler and Shapers Port 1

Scheduler Mode Strict Priority

Queue Shaper

Enable	Rate	Unit	Excess
<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
<input type="checkbox"/>		Mbps	<input type="checkbox"/>
<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>

Port Shaper

Enable	Rate	Unit
<input type="checkbox"/>		

Port 1

move the location

1. Delete the port scheduler & port shaping and rename
2. Add : "Queuing Method"
3. this page is the default web for Queuing Method

QoS Egress Port Scheduler and Shapers Port 1

Scheduler Mode Strict Priority Port 1

Queue Shaper

Enable	Rate	Unit	Excess
<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
<input type="checkbox"/>	1000	Mbps	<input type="checkbox"/>
<input type="checkbox"/>		Mbps	<input type="checkbox"/>

Port Shaper

Enable	Rate	Unit
<input type="checkbox"/>		

Queuing method

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QoS Egress Port Schedulers

Port	Mode	Weight				
		Q0	Q1	Q2	Q3	Q4
1	Strict Priority	-	-	-	-	-
2	Strict Priority	-	-	-	-	-
3	Strict Priority	-	-	-	-	-
4	Strict Priority	-	-	-	-	-
5	Strict Priority	-	-	-	-	-
6	Strict Priority	-	-	-	-	-
7	Strict Priority	-	-	-	-	-
8	Strict Priority	-	-	-	-	-
9	Strict Priority	-	-	-	-	-
10	Strict Priority	-	-	-	-	-
11	Strict Priority	-	-	-	-	-
12	Strict Priority	-	-	-	-	-
13	Strict Priority	-	-	-	-	-
14	Strict Priority	-	-	-	-	-
15	Strict Priority	-	-	-	-	-
16	Strict Priority	-	-	-	-	-
17	Strict Priority	-	-	-	-	-
18	Strict Priority	-	-	-	-	-
19	Strict Priority	-	-	-	-	-

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1. move the "Monitor"
2. the Menu change to : (under Monitor)

Queuing Method
Port Scheduler
Port Shaping

QoS Egress Port Shapers

Port	Shapers								Port
	Q0	Q1	Q2	Q3	Q4	Q5	Q6	Q7	
1	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
2	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
3	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
4	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
5	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
6	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
7	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
8	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
9	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
10	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
11	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
12	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
13	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
14	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
15	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
16	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
17	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
18	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
19	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled
20	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled	disabled

100%

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QoS Egress Port Tag Remarking

Port	Mode
1	Classified
2	Classified
3	Classified
4	Classified
5	Classified
6	Classified
7	Classified
8	Classified
9	Classified
10	Classified
11	Classified
12	Classified
13	Classified
14	Classified
15	Classified
16	Classified
17	Classified
18	Classified
19	Classified
20	Classified
21	Classified
22	Classified

remove from all 1910 series

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QoS Port DSCP Configuration

Port	Ingress		Egress	
	Translate	Classify	Rewrite	
*	<input type="checkbox"/>	<>	<>	
1	<input type="checkbox"/>	Disable	Disable	
2	<input type="checkbox"/>	Disable	Disable	
3	<input type="checkbox"/>	Disable	Disable	
4	<input type="checkbox"/>	Disable	Disable	
5	<input type="checkbox"/>	Disable	Disable	
6	<input type="checkbox"/>	Disable	Disable	
7	<input type="checkbox"/>	Disable	Disable	
8	<input type="checkbox"/>	Disable	Disable	
9	<input type="checkbox"/>	Disable	Disable	
10	<input type="checkbox"/>	Disable	Disable	
11	<input type="checkbox"/>	Disable	Disable	
12	<input type="checkbox"/>	Disable	Disable	
13	<input type="checkbox"/>	Disable	Disable	
14	<input type="checkbox"/>	Disable	Disable	
15	<input type="checkbox"/>	Disable	Disable	
16	<input type="checkbox"/>	Disable	Disable	
17	<input type="checkbox"/>	Disable	Disable	

Remove from all 1910 series

noted :

if 802.1p Prioritization > DSCP based "enable" , it means :

1. Translate => enable in default
2. Egress rewrite => enable in default

GS1910-24™

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DSCP-Based QoS Ingress Classification

DSCP	Trust	QoS Class	DPL
*	<input checked="" type="checkbox"/>	<>	<>
0 (BE)	<input checked="" type="checkbox"/>	0	0
1	<input checked="" type="checkbox"/>	0	0
2	<input checked="" type="checkbox"/>	0	0
3	<input checked="" type="checkbox"/>	0	0
4	<input checked="" type="checkbox"/>	0	0
5	<input checked="" type="checkbox"/>	0	0
6	<input checked="" type="checkbox"/>	0	0
7	<input checked="" type="checkbox"/>	0	0
8 (CS1)	<input checked="" type="checkbox"/>	0	0
9	<input checked="" type="checkbox"/>	0	0
10 (AF11)	<input checked="" type="checkbox"/>	0	0
11	<input checked="" type="checkbox"/>	0	0
12 (AF12)	<input checked="" type="checkbox"/>	0	0
13	<input checked="" type="checkbox"/>	0	0

Delete

Noted :

1. Trust : enable in default

Dimension GS1910-24

Configuration

- System
- Power Reduction
- Ports
- DHCP
- Security
- Aggregation
- Loop Protection
- Spanning Tree
- IPMC Profile
- MVR
- IPMC
- LLDP
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- VLANs
- Private VLANs
- VCL
- Voice VLAN
- Auto VoIP
- QoS
 - Ingress rate limiting
 - 802.1p Prioritization
 - DSCP Prioritization
 - DSCP-Based QoS**
 - Queueing method

DSCP-Based QoS Ingress Classification

DSCP	QoS Class
*	<>
0 (BE)	0
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8 (CS1)	0
9	0
10 (AF11)	0
11	0

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DSCP Translation

DSCP	Ingress		Egress	
	Translate	Classify	Remap DP0	Remap DP1
*	<>	<input type="checkbox"/>	<>	<>
0 (BE)	0 (BE)	<input type="checkbox"/>	0 (BE)	0 (BE)
1	1	<input type="checkbox"/>	1	1
2	2	<input type="checkbox"/>	2	2
3	3	<input type="checkbox"/>	3	3
4	4	<input type="checkbox"/>	4	4
5	5	<input type="checkbox"/>	5	5
6	6	<input type="checkbox"/>	6	6
7	7	<input type="checkbox"/>	7	7
8 (CS1)	8 (CS1)	<input type="checkbox"/>	8 (CS1)	8 (CS1)
9	9	<input type="checkbox"/>	9	9
10 (AF11)	10 (AF11)	<input type="checkbox"/>	10 (AF11)	10 (AF11)
11	11	<input type="checkbox"/>	11	11
12 (AF12)	12 (AF12)	<input type="checkbox"/>	12 (AF12)	12 (AF12)
13	13	<input type="checkbox"/>	13	13
14 (AF13)	14 (AF13)	<input type="checkbox"/>	14 (AF13)	14 (AF13)
15	15	<input type="checkbox"/>	15	15
16 (CS2)	16 (CS2)	<input type="checkbox"/>	16 (CS2)	16 (CS2)

delete from all 1910 series

change it to sync with GS1910-48/48HP, XGS

Rename to : "DSCP Prioritization"

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DSCP Translation

DSCP	Ingress		Egress	
	Translate	Classify	Remap DP0	Remap DP1
*	<>	<input type="checkbox"/>	<>	<>
0 (BE)	0 (BE)	<input type="checkbox"/>	0 (BE)	0 (BE)
1	1	<input type="checkbox"/>	1	1
2	2	<input type="checkbox"/>	2	2
3	3	<input type="checkbox"/>	3	3
4	4	<input type="checkbox"/>	4	4
5	5	<input type="checkbox"/>	5	5
6	6	<input type="checkbox"/>	6	6
7	7	<input type="checkbox"/>	7	7
8 (CS1)	8 (CS1)	<input type="checkbox"/>	8 (CS1)	8 (CS1)
9	9	<input type="checkbox"/>	9	9
10 (AF11)	10 (AF11)	<input type="checkbox"/>	10 (AF11)	10 (AF11)
11	11	<input type="checkbox"/>	11	11
12 (AF12)	12 (AF12)	<input type="checkbox"/>	12 (AF12)	12 (AF12)
13	13	<input type="checkbox"/>	13	13
14 (AF13)	14 (AF13)	<input type="checkbox"/>	14 (AF13)	14 (AF13)
15	15	<input type="checkbox"/>	15	15
16 (CS2)	16 (CS2)	<input type="checkbox"/>	16 (CS2)	16 (CS2)

delete from all 1910 series

change it to sync with GS1910-48/48HP, XGS

Rename to : "DSCP Prioritization"

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DSCP Classification

QoS Class	DPL	DSCP
*	*	<>
0	0	0 (BE)
0	1	0 (BE)
1	0	0 (BE)
1	1	0 (BE)
2	0	0 (BE)
2	1	0 (BE)
3	0	0 (BE)
3	1	0 (BE)
4	0	0 (BE)
4	1	0 (BE)
5	0	0 (BE)
5	1	0 (BE)
6	0	0 (BE)
6	1	0 (BE)
7	0	0 (BE)
7	1	0 (BE)

remove it from all 1910series

Apply

Reset

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QCE Configuration

Port Members																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Key Parameters

Tag	Any
VID	Any
PCP	Any
DEI	Any
SMAC	Any
DMAC Type	Any
Frame Type	Any

Action Parameters

Class	0
DPL	Default
DSCP	Default

remove

Enhancement Summary

Type	Feature
System	Configuration file
Network Setup	IP interface
	DHCP
Network Management	DHCP Option82
	Auth. Server
	VLAN
	Multicast
	Management
	SNMP
	Auto VoIP
	sFlow
	ARP Inspection
	QoS

The logo features the word "ZyXEL" in a bold, italicized, sans-serif font. The "Zy" is in a lighter blue, while "XEL" is in a darker blue. The background consists of several overlapping, semi-transparent blue geometric shapes, primarily triangles and parallelograms, creating a dynamic, layered effect.

ZyXEL

Make the World Connect

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