



LUXUL NS-1124P Q-Sys 24-Port Network Switch Preconfigured Instructions

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LUXUL NS-1124P Q-Sys 24-Port Network Switch Preconfigured



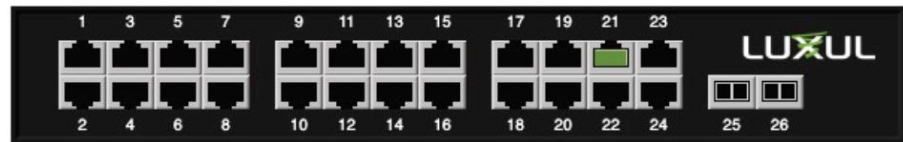
Login to switch

← → ↻ 🏠 ⓘ Not Secure | 192.168.0.4



Configuration	▶
Monitor	▼
Quick Setup	▶
Green Ethernet	▶
Ports	▼
State	
Traffic Overview	
QoS Statistics	
Detailed Statistics	
DHCP	▶
Security	▶

Port State Overview



Login to switch via web browser. If your network is not currently on a 192.168.0.x subnet, you may need to temporarily set your computer to a static IP subnet of 192.168.0.x. It is also recommended to change the IP address of the switch to match the subnet of your network.

Default IP address of the switches are: AMS-2600 = 192.168.0.2

- AMS/XMS-1208P = 192.168.0.3
- All other AMS/XMS models = 192.168.0.4 SW-510/610 Series = DHCP by default
- Default username = admin
- Default password = admin*

Firmware will require a password change upon initial setup

Set Port Frame Size



Model: AMS-4424P
Firmware Version: v4.1.3


Refresh

Port Configuration for Switch 1

Port	Link	Speed		Adv Duplex		Adv speed			Flow Control			Maximum Frame Size	Excessive Collision Mode
		Current	Configured	Fdx	Hdx	10M	100M	1G	Enable	Curr Rx	Curr Tx		
*			<div><-</div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	<div><div></div></div>
1	<div><div></div></div>	1Gfdx	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
2	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
3	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
4	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
5	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
6	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
7	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
8	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
9	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
10	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
11	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
12	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
13	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
14	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard
15	<div><div></div></div>	Down	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>	1518	Discard

Navigate to Configuration > Ports > Ports Set Maximum Frame Size to 1518. Changing the setting on the top row with the * globally selects all ports Click Save at bottom of screen.

DSCP Based Port Classification



Model: AMS-4424P
Firmware Version: v4.1.3

Configuration


- Quick Setup
- Green Ethernet
- Ports
- DHCP
- Security
- Aggregation
- Loop Protection
- IPMC Profile
- MVR
- IPMC
- LLDP
- MAC Table
- Voice VLAN
- QoS
- Port Classification**
- Port Policing
- Queue Policing
- Port Scheduler
- Port Shaping
- Port Tag Remarking
- Port DSCP
- DSCP-Based QoS
- DSCP Translation
- DSCP Classification
- Storm Policing
- WRED
- Mirroring
- UPnP
- GVRP
- Stack

QoS Ingress Port Classification for Switch 1

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

Navigate to Configuration > QoS > Port Classification Select DSCP Based for every port Changing the setting on the top row with the * globally selects all ports Click Save at bottom of screen

Trust DSCP



Model: AMS-4424P
Firmware Version: v4.1.3

Configuration


- Quick Setup
- Green Ethernet
- Ports
- DHCP
- Security
- Aggregation
- Loop Protection
- IPMC Profile
- MVR
- IPMC
- LLDP
- MAC Table
- Voice VLAN
- QoS
- Port Classification
- Port Policing
- Queue Policing
- Port Scheduler
- Port Shaping
- Port Tag Remarking
- Port DSCP
- DSCP-Based QoS**
- DSCP Translation
- DSCP Classification
- Storm Policing
- WRED
- Mirroring
- UPnP
- GVRP
- Stack

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
14 (AF13)	<input checked="" type="checkbox"/>	0	0
15	<input checked="" type="checkbox"/>	0	0
16 (CS2)	<input checked="" type="checkbox"/>	0	0

Navigate to Configuration QoS > DSCP Based QoS Select Trust for all ports Changing the setting on the top row with the * globally selects all ports Click Save at bottom of screen

DSCP Class for Q-Sys only configuration




Model: AMS-4424P
 Firmware Version: v4.1.3

Configuration	Class	Priority	Bandwidth	Weight	Red	Green	Blue
Quick Setup	28 (AF32)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Green Ethernet	29	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Ports	30 (AF33)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
DHCP	31	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Security	32 (CS4)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Aggregation	33	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Loop Protection	34 (AF41)	<input checked="" type="checkbox"/>	6	↓	↓	↓	↓
IPMC Profile	35	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
MVR	36 (AF42)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
IPMC	37	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
LLDP	38 (AF43)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
MAC Table	39	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Voice VLAN	40 (CS5)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
QoS	41	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Classification	42	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Policing	43	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Queue Policing	44	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Scheduler	45	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Shaping	46 (EF)	<input checked="" type="checkbox"/>	7	↓	↓	↓	↓
Port Tag Remarking	47	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port DSCP	48 (CS6)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
DSCP-Based QoS	49	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
DSCP Translation	50	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
DSCP Classification	51	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Storm Policing	52	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
WRED	53	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Mirroring	54	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
UPnP	55	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
GVRP	56 (CS7)	<input checked="" type="checkbox"/>	7	↓	↓	↓	↓
Stack	57	<input checked="" type="checkbox"/>	0	↓	0	↓	↓

Use this config when configuring only for Q-Sys. If using the same switch for both Q-Sys and Dante, skip to the next page. On the same screen as above Set Class 46 to Priority 7 Set Class 34 to Priority 6 Click Save at bottom of the screen

DSCP Class for combo Dante & Q-sys




Model: AMS-4424P
 Firmware Version: v4.1.3

Configuration	Class	Priority	Bandwidth	Weight	Red	Green	Blue
Quick Setup	36 (AF42)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Green Ethernet	37	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Ports	38 (AF43)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
DHCP	39	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Security	40 (CS5)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Aggregation	41	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Loop Protection	42	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
IPMC Profile	43	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
MVR	44	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
IPMC	45	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
LLDP	46 (EF)	<input checked="" type="checkbox"/>	6	↓	↓	↓	↓
MAC Table	47	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Voice VLAN	48 (CS6)	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
QoS	49	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Classification	50	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Policing	51	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Queue Policing	52	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Scheduler	53	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Shaping	54	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port Tag Remarking	55	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
Port DSCP	56 (CS7)	<input checked="" type="checkbox"/>	7	↓	↓	↓	↓
DSCP-Based QoS	57	<input checked="" type="checkbox"/>	0	↓	0	↓	↓
DSCP Translation							
DSCP Classification							
Storm Policing							
WRED							
Mirroring							
UPnP							
GVRP							
Stack							

Use this config only when using the same switch to run both Dante Q-Sys. Skip this step if only configuring for Q-Sys. On same screen as above Set Class 56 to Priority 7 Set Class 46 to Priority 6 Click Save at bottom of the screen

Save Startup Configuration



Model: AMS-4424P
Firmware Version: v4.1.3

Configuration

Monitor

Tools

Administration

Reboot

Factory Defaults

Firmware Update

Configuration

Save startup-config

Download

Upload

Activate

Delete


Save Running Configuration to startup-config

Please note: The generation of the configuration file may be time consuming, depending on the amount of non-default configuration.

Save Configuration

Navigate to Administration Configuration > Save startup-config Click Save Configuration

IGMP Multicast Configuration



Model: AMS-4424P
Firmware Version: v4.1.3

Configuration

Quick Setup

Green Ethernet

Ports

DHCP

Security

Aggregation

Loop Protection

IPMC Profile

MVR

IPMC

IGMP Snooping

Basic Configuration

VLAN Configuration

Port Filtering Profile

MLD Snooping

LLDP

MAC Table

Voice VLAN

QoS

Mirroring

UPnP

GVRP

Stack

sFlow

UDLD

Monitor

Tools

Administration

IGMP Snooping Configuration

Global Configuration	
Snooping Enabled	<input checked="" type="checkbox"/>
Unregistered IPMCv4 Flooding Enabled	<input checked="" type="checkbox"/>
IGMP SSM Range	232.0.0.0 / 8
Leave Proxy Enabled	<input type="checkbox"/>
Proxy Enabled	<input checked="" type="checkbox"/>

Port Related Configuration for Switch 1

Port	Router Port	Fast Leave	Throttling
*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value=""/>
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>
6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>
7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>
8	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>
9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="unlimited"/>

Navigate to Configuration > IPMC > IGMP Snooping > Basic Configuration Check Snooping Enabled Check Unregistered IPMCv4 Flooding Enabled (it should be enabled already) Check Fast Leave on all ports Changing the setting on the top row with the * globally selects all ports Click Save at bottom of the screen

LUXUL
Simply Connected

Model: AMS-4424P
Firmware Version: v4.1.3

Configuration

Quick Setup

Green Ethernet

Ports

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IPMC

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Basic Configuration

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Tools

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IGMP Snooping VLAN Configuration

Start from VLAN 1 with 20 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)
<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.0.0.0	Forced IGMPv2	0	2	125	100	10	1

Add New IGMP VLAN

Save

Reset

Diagnostic Tools

LUXUL
Simply Connected

Model: AMS-4424P
Firmware Version: v4.1.3 ?

Configuration ▶
Monitor ▶
Tools ▶
Administration ▼
Reboot
Factory Defaults
Firmware Update
Configuration ▼
Save startup-config
Download
Upload
Activate
Delete

Save Running Configuration to startup-config

Please note: The generation of the configuration file may be time consuming, depending on the amount of non-default configuration.

Save Configuration

[illegible]



Simply Connected

Model: AMS-2616P


Firmware Version: v4.0.5

- Configuration
 - OUI
 - QoS
 - Mirroring
 - UPnP
 - GVRP
 - sFlow
 - UDLD
- Monitor**
 - Quick Setup
 - Green Ethernet
 - Thermal Protection
- Ports**
 - State
 - Traffic Overview
- QoS Statistics**
 - QCL Status
 - Detailed Statistics
- DHCP
- Security
- LACP
- Loop Protection
- MVR
- IPMC
- LLDP

Queuing Counters

Port	Q0		Q1		Q2		Q3		Q4		Q5		Q6		Q7	
	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2	3006	0	0	0	0	0	0	0	0	0	0	0	0	0	2448
4	2	3006	0	0	0	0	0	0	0	0	0	0	0	0	0	2448
5	2	3006	0	0	0	0	0	0	0	0	0	0	0	0	0	2448
6	0	491	0	0	0	0	0	0	0	0	0	0	0	0	0	89
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	4422	4390	0	0	0	0	0	0	0	0	0	0	0	0	0	240
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Auto-refresh ☐ Refresh Clear



Simply Connected

Model: AMS-2616P

Firmware Version: v4.0.5

- LACP
- Loop Protection
- MVR
- IPMC**
 - IGMP Snooping**
 - Status**
 - Groups Information
 - IPv4 SFM Information
 - MLD Snooping
 - LLDP
 - MAC Table
 - sFlow
 - UDLD
 - Tools
 - Administration**
 - Reboot
 - Factory Defaults
 - Firmware Update
 - Firmware Image Select
 - Configuration**
 - Save startup-config
 - Download
 - Upload
 - Activate
 - Delete

IGMP Snooping Status


Statistics

VLAN ID	Querier Version	Host Version	Querier Status	Queries Transmitted	Queries Received	V1 Reports Received	V2 Reports Received	V3 Reports Received	V2 Leaves Received
1	v2	v2	ACTIVE	23	0	0	362	0	0

Router Port

Port	Status
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-

Auto-refresh ☐ Refresh Clear



Simply Connected

Model: AMS-2616P

Firmware Version: v4.0.5

- LACP
- Loop Protection
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 - Configuration**
 - Save startup-config
 - Download
 - Upload
 - Activate
 - Delete

IGMP Snooping Group Information

Start from VLAN and group address with entries per page.


VLAN ID	Groups	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	25	26		
1	224.0.1.129			✓	✓	✓															✓	✓	✓						
1	224.0.23.175												✓							✓	✓	✓	✓						
1	239.255.255.250												✓			✓													

Auto-refresh ☐ Refresh << >>

Navigate to Monitor > Ports > Traffic Overview Errors, Drops, Filtered should be 0 or near 0
 Navigate to Monitor > Ports > QoS Statistics Numbers should be seen in Q6 and Q7 for any port that a Q-Sys device is connected as

that is where the Q-Sys system runs on the network Navigate to Monitor > IPMC > IGMP Snooping Status Q-Sys uses IGMP v2. Querier and Host Version should indicate v2. Querier Status should indicate Active. Navigate to Monitor > IPMC > IGMP Snooping Groups Information Q-SYS uses the following multicast groups: 224.0.1.129 used for PTPv2 224.0.23.175 used for QDP (Q-SYS Discovery Protocol) This screen shows the groups and which ports/devices are part of the IGMP group

Documents / Resources

	LUXUL NS-1124P Q-Sys 24-Port Network Switch Preconfigured [pdf] Instructions NS-1124P Q-Sys 24-Port Network Switch Preconfigured, NS-1124P, Q-Sys 24-Port Network S witch Preconfigured
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