

DES-3226S Screenshots

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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Building Networks for People

Login
to make a setup...



10/100/1000 Mbps Layer 2 Switch
24 10/100 Mbps + 1 or 2 optional ports

Model No. **DES-3226S**

Layer 2 Switch

This rack-mountable switch provides high-performance access to enterprise data servers and infrastructure.

The DES-3226S provides 24 10/100 Mbps ports and an optional module slot. Various optional modules are available. The DES-332GS module provides one GBIC Gigabit Ethernet port and 1 stacking port. The stacking port allows stacking of up to six DES-3226S switches to be interconnected so that all six switches can be managed as a single unit.

The optionally available modules are as follows:

Module Name	Provided Port Types
DES-332GS	1-port GBIC Gigabit Ethernet and 1 Stacking Port Module
DES-132	2-port 10/100BASE-T Ethernet Module
DES-132T	2-port 1000BASE-T Gigabit Ethernet Module
DES-132G	2-port 1000BASE-SX Gigabit Ethernet Module
DES-132GL	2-port 1000BASE-LX Gigabit Ethernet Module
DES-132GB	2-port GBIC-based Gigabit Ethernet Module
DES-131F	1-port 100BASE-FX Module (2Km)
DES-132F	2-port 100BASE-FX Module (2Km)
DES-131FL	1-port 100BASE-FL Module (15Km)
DES-132FL	2-port 100BASE-FL Module (15Km)

The 24 10/100 Mbps ports auto-sense the network speed of the computers, switches, and hubs that may be connected and can run at either 10 Mbps or 100 Mbps, and will auto-negotiate between full- and half-duplex.

IEEE 802.3x Flow Control allows your servers to directly connect to this switch for fast, reliable data transfer. At 200 Mbps full-duplex, this switch provides high-speed data pipes to your servers with minimum data transfer loss.

802.1Q VLANs allow you to set the subnet network traffic and improve performance and manageability.

Multiple Port Trunks - you can combine up to 8 10/100 Mbps ports into a trunk to create a 1600 Mbps full duplex aggregated bandwidth to connect to a server or another switch.

Features

- 24 10/100 Mbps + 1 or 2 optional ports.
- 10/100 Mbps auto-sensing ports run Ethernet and Fast Ethernet hardware seamlessly.
- Dedicated bandwidth for servers and workstations running bandwidth-intensive applications.
- Blazing 200 Mbps twisted-pair speed + 2000 Mbps Gigabit in full-duplex mode.
- Flow control to guard against data transfer loss.
- VLANs to fine-tune traffic flow and setup security.
- Broadcast and Multicast Storm Control.
- IEEE 802.1D Spanning Tree Protocol.
- IEEE 802.1Q Group VLAN Registration Protocol (GVRP) support.
- IGMP Snooping support.
- IEEE 802.1p Priority queuing support (4 priority queues).
- Port trunks for aggregated bandwidth.
- Custom filters allow you to set up access control and security.
- SNMPv3, SNMP, RMON, Console, and Web-based management from diversified platforms.
- IEEE 802.1x Port Based Network Access Control.
- Traffic Segmentation.
- Traffic bandwidth control (QOS).
- System log.

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DES-3226S

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Power Diagnostics RS-232 Console DCE, 9600, n, 8, 1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Ethernet Switch

Switch Information

Displays information about the switch's hardware and firmware.

Device Type	DES-3226S Fast-Ethernet Switch
Module Type	
MAC Address	00-05-5D-16-CE-00
Get IP From	Manual
IP Address	192.168.0.1
VLAN Name	default
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
Boot PROM Version	Build 0.00.001
Firmware Version	Build 3.00-B11
Hardware Version	2B1
Device S/N	
Name	
Location	
Contact	
Spanning Tree	Disabled
GVRP	Disabled
IGMP Snooping	Disabled
TELNET	Enabled (TCP 23)

Done Internet

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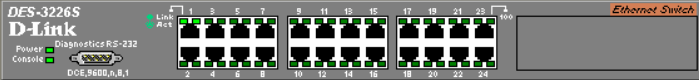


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Power Diagnostic RS-232
Console DCE, RJ45, B, I

Ethernet Switch

Basic Switch Setup

Configure the switch's IP address and contact information.

Current Switch IP Settings	
Get IP From	Manual
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
VLAN Name	default

New Switch IP Settings	
Get IP From	Manual
IP Address	192 . 168 . 0 . 1
Subnet Mask	255 . 255 . 255 . 0
Default Gateway	0 . 0 . 0 . 0
VLAN Name	default
Name	
Location	
Contact	

Apply

Internet

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Address http://192.168.0.1/html/hmain.html



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DES-3226S

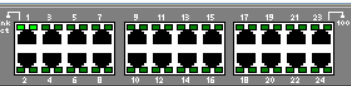
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Power Diagnostic RS-232 Console

DCE, 9600, n, 8, 1



Ethernet Switch

Serial Port Settings

Configure the switch's serial port that is used for terminal sessions.

Console Settings	
Baud Rate	9600
Data Bits	8
Parity Bits	None
Stop Bits	1
Auto Logout	10 mins

Apply

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Link

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Ethernet Switch

Port Configurations

Enable or disable individual ports and set their speed and duplex state.

Edit

	Port	State	Setting	Connection	Learn
☐	1	Enabled	Auto/Disabled	100M/Full/None	Enabled
☐	2	Enabled	Auto/Disabled	Link Down	Enabled
☐	3	Enabled	Auto/Disabled	Link Down	Enabled
☐	4	Enabled	Auto/Disabled	Link Down	Enabled
☐	5	Enabled	Auto/Disabled	Link Down	Enabled
☐	6	Enabled	Auto/Disabled	Link Down	Enabled
☐	7	Enabled	Auto/Disabled	Link Down	Enabled
☐	8	Enabled	Auto/Disabled	Link Down	Enabled
☐	9	Enabled	Auto/Disabled	Link Down	Enabled
☐	10	Enabled	Auto/Disabled	Link Down	Enabled
☐	11	Enabled	Auto/Disabled	Link Down	Enabled
☐	12	Enabled	Auto/Disabled	Link Down	Enabled
☐	13	Enabled	Auto/Disabled	Link Down	Enabled
☐	14	Enabled	Auto/Disabled	Link Down	Enabled
☐	15	Enabled	Auto/Disabled	Link Down	Enabled
☐	16	Enabled	Auto/Disabled	Link Down	Enabled
☐	17	Enabled	Auto/Disabled	Link Down	Enabled
☐	18	Enabled	Auto/Disabled	Link Down	Enabled
☐	19	Enabled	Auto/Disabled	Link Down	Enabled

Internet

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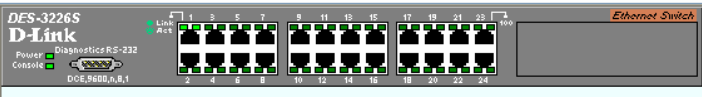


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Power Diagnostics RS-232
Console DCE, R600, n, 0, 1



Ethernet Switch

Port Configurations

Port	1
Connection	100M/Full/None
State	Enabled
Speed/Duplex	Auto
Flow Control	Off
Learn	Enabled
Configure Ports from 1 to	1

Back Apply

Done Internet

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Power Console

Diagnose RS-232

DCE, RJ45, B, I

Link Act

Ethernet Switch

Port Security Settings

Edit

Port	Admin State	Maxium Learning Address	Lock Address Mode
☐ 1	Disabled	1	DeleteOnReset
☐ 2	Disabled	1	DeleteOnReset
☐ 3	Disabled	1	DeleteOnReset
☐ 4	Disabled	1	DeleteOnReset
☐ 5	Disabled	1	DeleteOnReset
☐ 6	Disabled	1	DeleteOnReset
☐ 7	Disabled	1	DeleteOnReset
☐ 8	Disabled	1	DeleteOnReset
☐ 9	Disabled	1	DeleteOnReset
☐ 10	Disabled	1	DeleteOnReset
☐ 11	Disabled	1	DeleteOnReset
☐ 12	Disabled	1	DeleteOnReset
☐ 13	Disabled	1	DeleteOnReset
☐ 14	Disabled	1	DeleteOnReset
☐ 15	Disabled	1	DeleteOnReset
☐ 16	Disabled	1	DeleteOnReset
☐ 17	Disabled	1	DeleteOnReset
☐ 18	Disabled	1	DeleteOnReset
☐ 19	Disabled	1	DeleteOnReset
☐ 20	Disabled	1	DeleteOnReset

Done Internet

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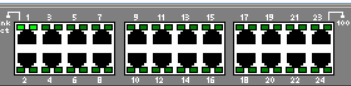
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Power Diagnostic RS-232

DCR, 9600, n, 8, 1



Ethernet Switch

Port Security Settings - Edit

Port	1
Admin State	Disabled
Maximum Learning Address	1
Lock Address Mode	DeleteOnReset
Configure Ports from 1 to	1

Back Apply

Done Internet

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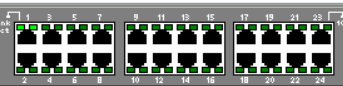
Advanced Setup

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Power Diagnostic RS-232

DCE, 9600, n, 8, 1



Ethernet Switch

Traffic Segmentation Table

Edit

Port	Port List
	1 to 8 9 to 16 17 to 24 25 26
☐ 1	Unit 1 ***** * *
☐ 2	Unit 1 ***** * *
☐ 3	Unit 1 ***** * *
☐ 4	Unit 1 ***** * *
☐ 5	Unit 1 ***** * *
☐ 6	Unit 1 ***** * *
☐ 7	Unit 1 ***** * *
☐ 8	Unit 1 ***** * *
☐ 9	Unit 1 ***** * *
☐ 10	Unit 1 ***** * *
☐ 11	Unit 1 ***** * *
☐ 12	Unit 1 ***** * *
☐ 13	Unit 1 ***** * *
☐ 14	Unit 1 ***** * *
☐ 15	Unit 1 ***** * *
☐ 16	Unit 1 ***** * *
☐ 17	Unit 1 ***** * *
☐ 18	Unit 1 ***** * *
☐ 19	Unit 1 ***** * *
☐ 20	Unit 1 ***** * *

Done Internet

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Power Diagnostic RS-232

DCE, #600, n, 0, 1



Ethernet Switch

Traffic Segmentation Table - Edit

Unit	1																									
Port	1																									
Port	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
List	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒

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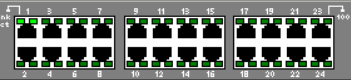
Advanced Setup

DES-3226S

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Power Diagnostic RS-232

DCB, 9600, n, 8, 1



Ethernet Switch

User Accounts

Add, modify, and delete user accounts. User level privileges grant view rights.

New Edit Delete

Username	Access Level
----------	--------------

Done Internet

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Diagnose RS-232

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Ethernet Switch

SNMP View Table

Total Entries: 8

New

Delete

	View Name	Subtree	View Type
☐	restricted	1.3.6.1.2.1.1	Included
☐	restricted	1.3.6.1.2.1.1.1	Included
☐	restricted	1.3.6.1.6.3.10.2.1	Included
☐	restricted	1.3.6.1.6.3.11.2.1	Included
☐	restricted	1.3.6.1.6.3.15.1.1	Included
☐	CommunityView	1	Included
☐	CommunityView	1.3.6.1.6.3	Excluded
☐	CommunityView	1.3.6.1.6.3.1	Included

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Power On Diagnostic RS-232

DCE, 9600, n, 8, 1

Ethernet Switch

SNMP Group Table

Total Entries: 5

New Delete

	Group Name	Read View Name	Write View Name	Notify View Name	Security Model	Security Level
☐	initial	restricted		restricted	SNMPv3	NoAuthNoPriv
☐	ReadGroup	CommunityView		CommunityView	SNMPv1	NoAuthNoPriv
☐	ReadGroup	CommunityView		CommunityView	SNMPv2	NoAuthNoPriv
☐	WriteGroup	CommunityView	CommunityView	CommunityView	SNMPv1	NoAuthNoPriv
☐	WriteGroup	CommunityView	CommunityView	CommunityView	SNMPv2	NoAuthNoPriv

Done Internet

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Power Diagnostic RS-232 Console DCE, #600, n, 0, 1

Ethernet Switch

SNMP Community Table

Total Entries: 2

New Delete

	Community Name	View Name	Access Right
☐	private	CommunityView	read_write
☐	public	CommunityView	read_only

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Power Diagnostic RS-232

Link Act

Ethernet Switch

SNMP Host Table

Total Entries: 0

New Delete

Host IP Address	SNMP Version	Community String / SNMPv3 User Name
-----------------	--------------	-------------------------------------

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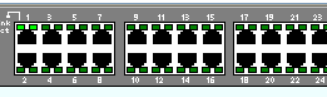


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Power Diagnostics RS-232
Console DCE, 9600, n, 8, 1



Ethernet Switch

SNMP Host Table - Add

Host IP Address	
SNMP Version	V1
Community String / SNMPv3 User Name	

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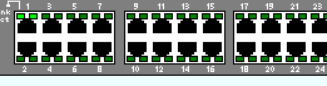
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Power over Ethernet
Console
DCE, R600, n, 0, 1



Ethernet Switch

SNMP User Table

Engine ID: 0x800000ab0300055d16ce00

Total Entries: 1

	User Name	Group Name	SNMP Version	Auth-Protocol	PrivProtocol
☐	initial	initial	V3	None	None

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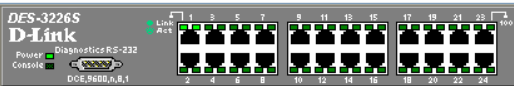


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D-Link
Power over Ethernet
Console
DCE, 16MB, 0.1



Ethernet Switch

SNMP User Table - Add

Engine ID: 0x800000ab0300055d16ce00

User Name	
Group Name	
SNMP Version	V1 ☐ encrypted
Auth-Protocol	MD5
PrivProtocol	None

Done Internet

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Building Networks for People

DES-3226S

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 - SNMP Group Table
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- Advanced Setup

DES-3226S



Power Diagnostics RS-232 Console DCE, #600, n, 0, 1

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

Ethernet Switch

Management Station IP Addresses

Restrict management access to the stations in the list.

IP Address

0	.	0	.	0	.	0
0	.	0	.	0	.	0
0	.	0	.	0	.	0

Apply

Done

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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Address http://192.168.0.1/html/hmain.html Go Links



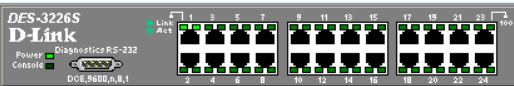
D-Link
Building Networks for People

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 - Download Configuration to TFTP Server
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Advanced Setup

DES-3226S
D-Link
Power over Ethernet
Console
DCE, 16MB, 0.1



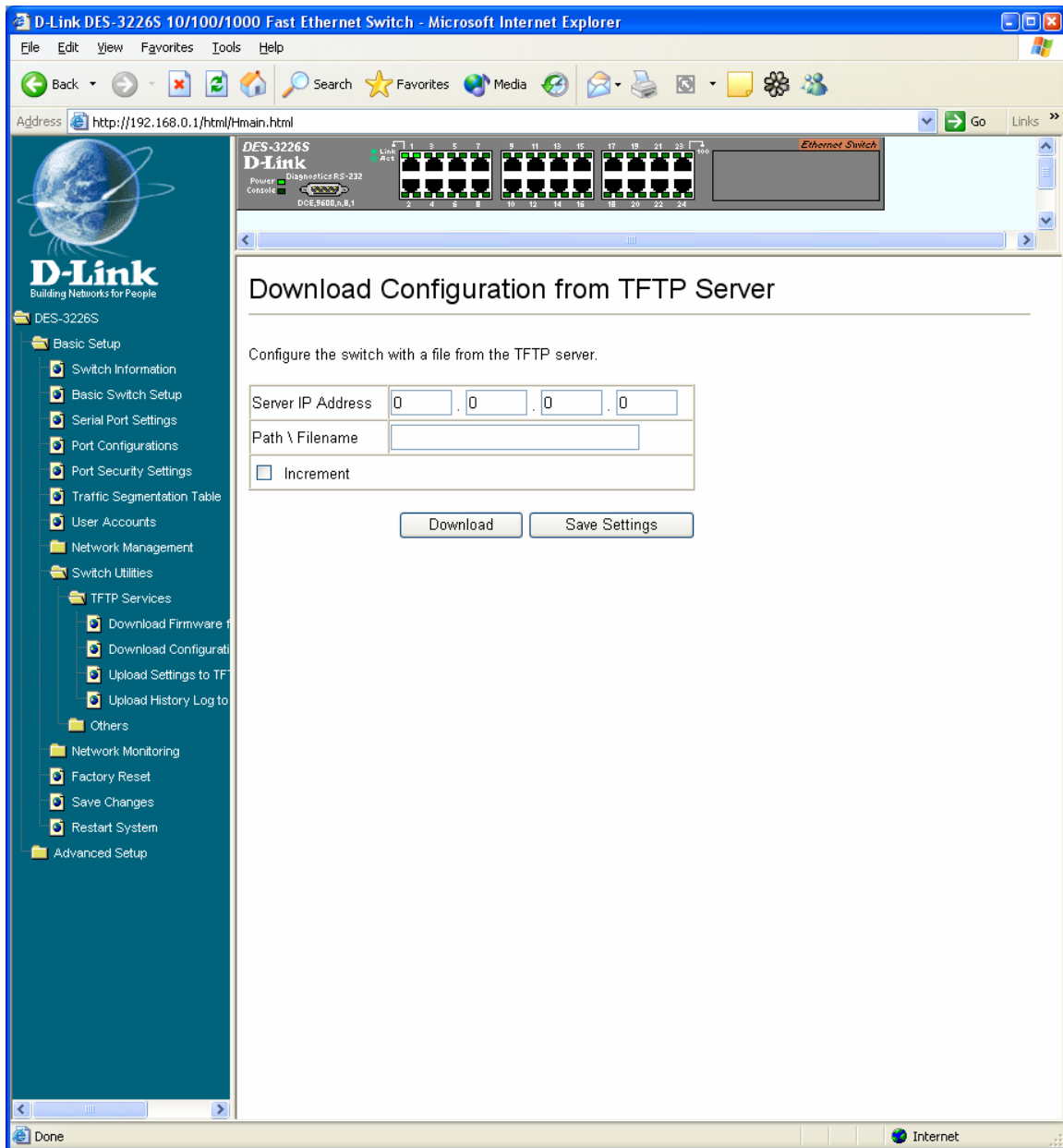
Ethernet Switch

Download Firmware from TFTP Server

Upgrade the switch's firmware.

Select Upgrade Unit	1 ☒
Server IP Address	0 . 0 . 0 . 0
Path \ Filename	

Download Save Settings



D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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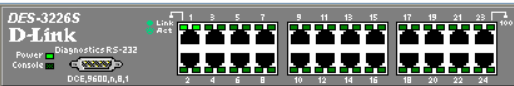
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DES-3226S
D-Link
Power Console
DCE, 9600, n, 8, 1



Ethernet Switch

Upload History Log to TFTP Server

Save the switch's history log to the TFTP server.

Server IP Address	0 0 0 0
Path \ Filename	

Done Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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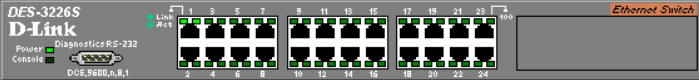
Address http://192.168.0.1/html/main.html Go Links



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DES-3226S
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Power Diagnostics RS-232
Console DCE, R600, n, 0, 1

Ethernet Switch

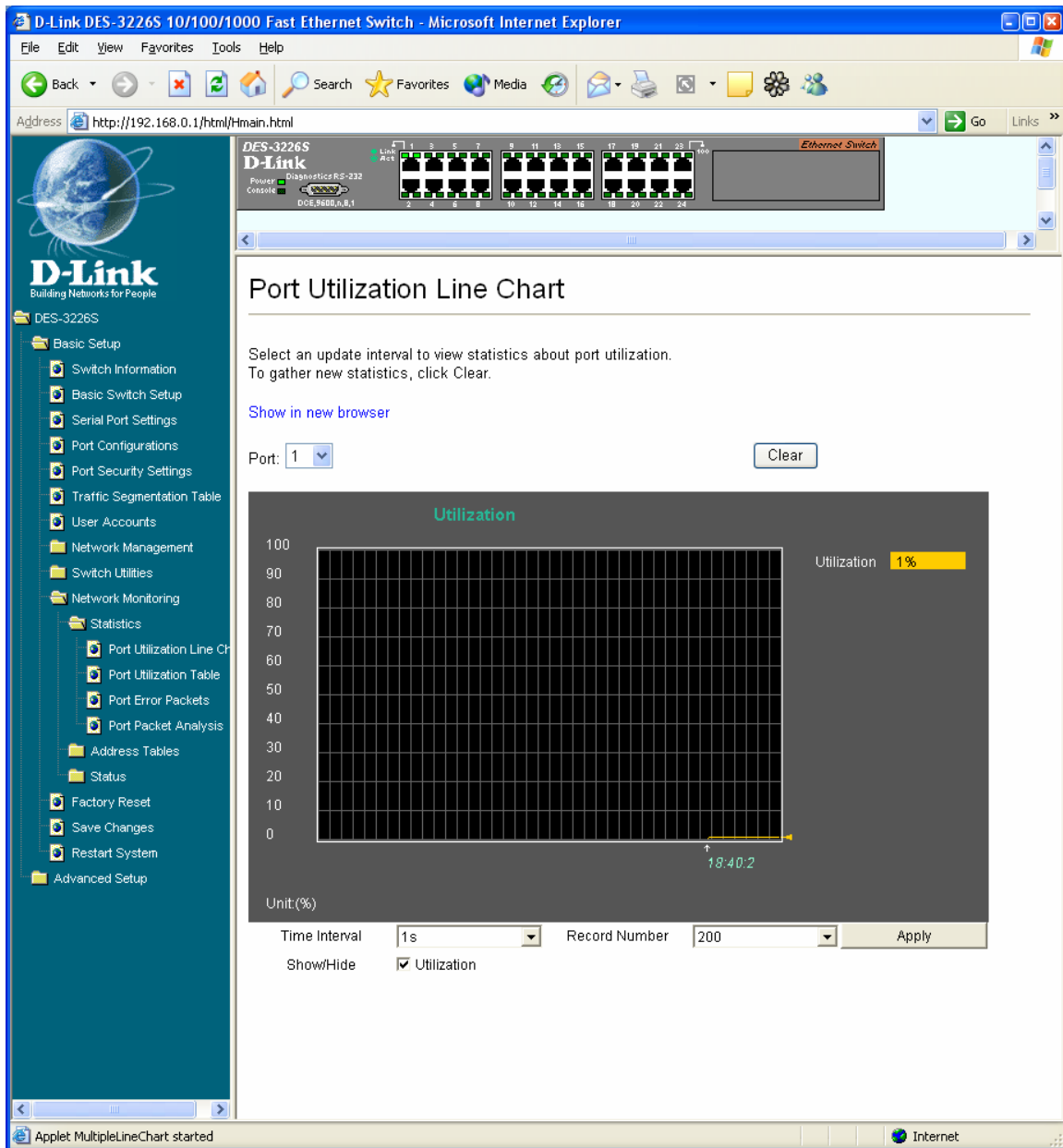
Ping Test

Enter an IP address of a node to ping, and then click **Start**.

Target IP Address	0 . 0 . 0 . 0
Number of Repetitions	☒ Infinite times ☐ times (1 - 255)
Default Timeout	1 sec. (1 - 99)

Start

Done Internet



D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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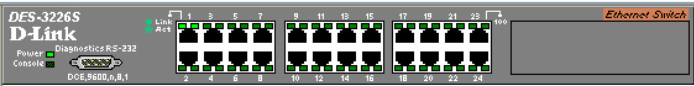
Address http://192.168.0.1/html/Hmain.html Go Links



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 - Port Error Packets
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Port Utilization Table

Select an update interval to view statistics about port utilization.
To gather new statistics, click Clear.

[Show in new browser](#)

Refresh Interval: 2 seconds

Port	TX/sec	RX/sec	%Utilization
1	1	3	1
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	0	0	0
12	0	0	0
13	0	0	0
14	0	0	0
15	0	0	0
16	0	0	0
17	0	0	0
18	0	0	0
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	0	0	0
24	0	0	0

Applet dklMultiPortUtilization started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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Addresshttp://192.168.0.1/html/Hmain.htmlGoLinks



D-Link

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DES-3226S

D-Link

Power Diagnostics RS-232 Console DCE_9600_n,8,1

Link Act

1 3 5 7 9 11 13 15 17 19 21 23

2 4 6 8 10 12 14 16 18 20 22 24

100

Ethernet Switch

Port Error Packets

Select a port and an update interval to view statistics about malformed and dropped packets. To gather new statistics, click Clear.

Show in new browser

Port: 1Interval: 2 secondsClear

RX Frames

CRC Error	0
Undersize	0
Oversize	0
Fragment	0
Jabber	0
Drop Packets	0

TX Frames

Excessive Deferral	0
CRC Error	0
Late Collision	0
Excessive Collision	0
Single Collision	0
Collision	0

Applet dlkPortErrors startedInternet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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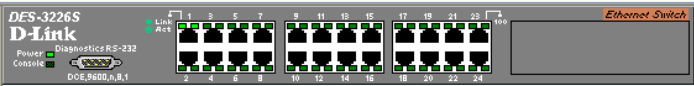
Address http://192.168.0.1/html/Hmain.html Go Links



D-Link
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DES-3226S
D-Link
Power Console
Diagnose RS-232
DCR_9600_n,8,1

Ethernet Switch

Port Packet Analysis

Select a port and an update interval to view statistics about packet types and frames.
To gather new statistics, click Clear.

[Show in new browser](#)

Port: Interval:

Frame Size	Frame Counts	Frames/sec
64	4216	7
65-127	532	1
128-255	185	0
256-511	615	1
512-1023	506	2
1024-1518	1274	1

Packet Type	Total	Total/sec
RX Bytes	458019	1024
RX Frames	3484	6
TX Bytes	2156305	2746
TX Frames	3844	6

Frame Type	Frame Counts	Frames/sec
Unicast RX	3429	6
Multicast RX	0	0
Broadcast RX	55	0

Applet dlkPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S
D-Link
Power Console Diagnostics RS-232
DCE_9600_n,8,1

Link Act

1 3 5 7 9 11 13 15 17 19 21 23

2 4 6 8 10 12 14 16 18 20 22 24

Ethernet Switch

MAC Address Table

To discover information about a MAC address, select a method for viewing MAC addresses, enter the required information, and click Browse.

Browse All Table

Clear All Table

Browse Table By VLAN

VLAN Name

Browse

Browse Table By MAC Address

MAC Address

Browse

Browse Table By Port

Port:

Browse

Clear Table By Port

VID	VLAN Name	MAC Address	Port	Type
1	default	00-05-5D-16-CE-00	CPU	Self
1	default	00-20-ED-39-EC-21	1	Learned

Total Addresses in Table: 2

Applet dlkPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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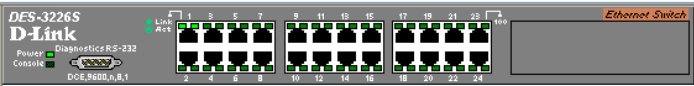
Address http://192.168.0.1/html/Hmain.html Go Links



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DES-3226S
D-Link
Power Diagnostics RS-232
Console DCE, RJ45, SFP

Ethernet Switch

GVRP Status

Displays information about the Group VLAN Registration Protocol.

IEEE 802.1Q VLAN ID	1
Status	Permanent
Creation time since switch power up	00:22:52
Current Egress Ports	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 [X]
Current Untagged Ports	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 [X]
Number of IEEE 802.1Q VLANs:	1

Applet dlkPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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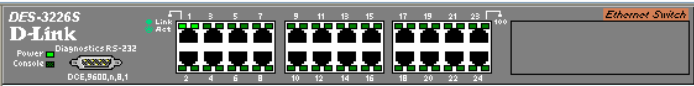
Address http://192.168.0.1/html/Hmain.html Go Links



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DES-3226S
D-Link
Power Diagnostics RS-232
Console DCE, RJ45, RJ45

Link Act

Ethernet Switch

Router Ports

Enter a VLAN name and click Find to discover which ports are routing UDP multicast packets.

VLAN Name: Find

S: Static router port D: Dynamic router port

VLAN Name	Router Port
	1 to 8 9 to 16 17 to 24 25 26
default	----- - - - -

Applet dlkPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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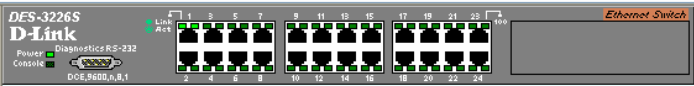
Address http://192.168.0.1/html/Hmain.html Go Links



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DES-3226S
D-Link
Power Diagnostics RS-232
Console DCE, RJ45, RJ45

Ethernet Switch

IGMP Snooping Group Table

Enter a VLAN name and click Find to discover the IGMP groups on the VLAN.

VLAN Name:

Total Entries in the VLAN: 0

Multicast Group	MAC Address	Port Map	Reports
		1 to 8 9 to 16 17 to 24 25 26	

Applet dlkPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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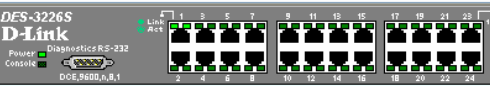
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DES-3226S
D-Link
Power Console
DCE_9600_n,8,1

Ethernet Switch

Switch History

Displays the log of switch events with the newest event at the top.

Sequence	Time	Log Text
6	000d00h17m	Console session timed out (Username: Anonymous)
5	000d00h08m	Successful login through Web (Username: Anonymous)
4	000d00h08m	Port 1 link up, 100Mbps FULL duplex
3	000d00h00m	Successful login through Console (Username: Anonymous)
2	000d00h00m	System started up
1	000d00h00m	Spanning Tree Protocol is disabled

Clear

Applet dlkPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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 - 802.1X
 - System Log
 - Access Profile Mask Set
 - IGMP Snooping Configure
 - Static Router Port Setting

DES-3226S
D-Link
Power Diagnostics RS-232
Console DCE_9600,n,8,1

Ethernet Switch

STP Switch Settings

Configure the switch's global STP settings.
STP must be enabled on the switch before it can be enabled on a particular port.

Status	Disabled
Max Age (6 - 40 sec)	20
Hello Time (1 - 10 sec)	2
Forward Delay (4 - 30 sec)	15
Priority (0 - 61440)	32768
STP Version	STP Compatibility
TX Hold Count (1 - 10)	3
Forwarding BPDU	Enabled

Apply

The above values must conform to this formula: $2 * (\text{Hello Time} + 1) \leq \text{Max Age} \leq 2 * (\text{Forward Delay} - 1)$

Applet dlkPacketAnalysis started Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S
D-Link
Power Console
Diagnose RS-232
DCE, 9600, n, 8, 1

Ethernet Switch

STP Port Settings

Edit

	Port	State	Cost	Priority	Edge	P2P	Status	Role
☐	1	Enabled	*200000	128	No	Yes	Forwarding	NonStp
☐	2	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	3	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	4	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	5	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	6	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	7	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	8	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	9	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	10	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	11	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	12	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	13	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	14	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	15	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	16	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	17	Enabled	*200000	128	No	Yes	Disabled	Disabled
☐	18	Enabled	*200000	128	No	Yes	Disabled	Disabled

Applet dlkPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S
D-Link
Power: Diagnostics RS-232
Console: DCE_9600,n,8,1

Ethernet Switch

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

STP Port Settings - Edit

Port	1
State	Enabled
Cost	200000 ☒ Auto
Priority	128
Migration	No
Edge	No
P2P	Yes
Configure Ports from 1 to	1

Back Apply

Applet dlkPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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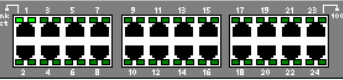
Address http://192.168.0.1/html/Hmain.html Go Links



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DES-3226S
D-Link
Power Diagnostics RS-232
Console DCE_9600,n,8,1



Ethernet Switch

MAC Notification Global Settings

State	Disabled
Interval (sec)	1
History Size	1

Apply

Applet dlkPacketAnalysis started Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DCE, 9600, n, 8, 1

Link Act

Ethernet Switch

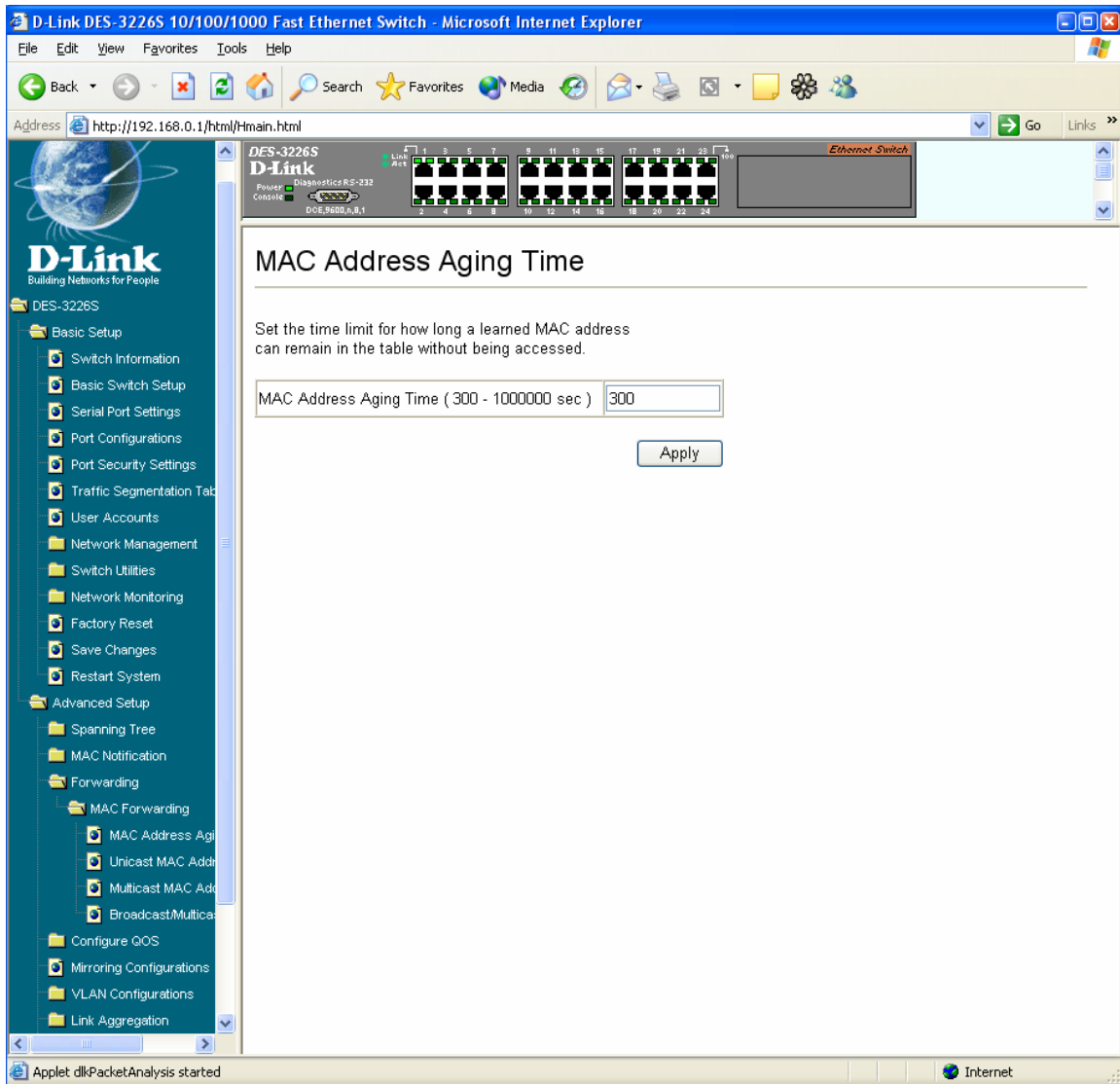
MAC Notification Port Settings

Edit

	Port	State
☐	1	Disabled
☐	2	Disabled
☐	3	Disabled
☐	4	Disabled
☐	5	Disabled
☐	6	Disabled
☐	7	Disabled
☐	8	Disabled
☐	9	Disabled
☐	10	Disabled
☐	11	Disabled
☐	12	Disabled
☐	13	Disabled
☐	14	Disabled
☐	15	Disabled
☐	16	Disabled
☐	17	Disabled
☐	18	Disabled

Applet dlkPacketAnalysis started

Internet



D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

File Edit View Favorites Tools Help

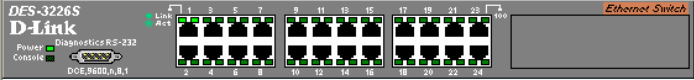
Back Forward Stop Reload Home Search Favorites Media

Address http://192.168.0.1/html/Hmain.html Go Links



D-Link
Building Networks for People

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 - MAC Forwarding
 - MAC Address Agi
 - Unicast MAC Add
 - Multicast MAC Add
 - Broadcast/Multica
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 - Link Aggregation



DES-3226S
D-Link
Power:  Diagnostics RS-232
Console  DCE_9600,n,8,1

Ethernet Switch

Unicast MAC Address Settings

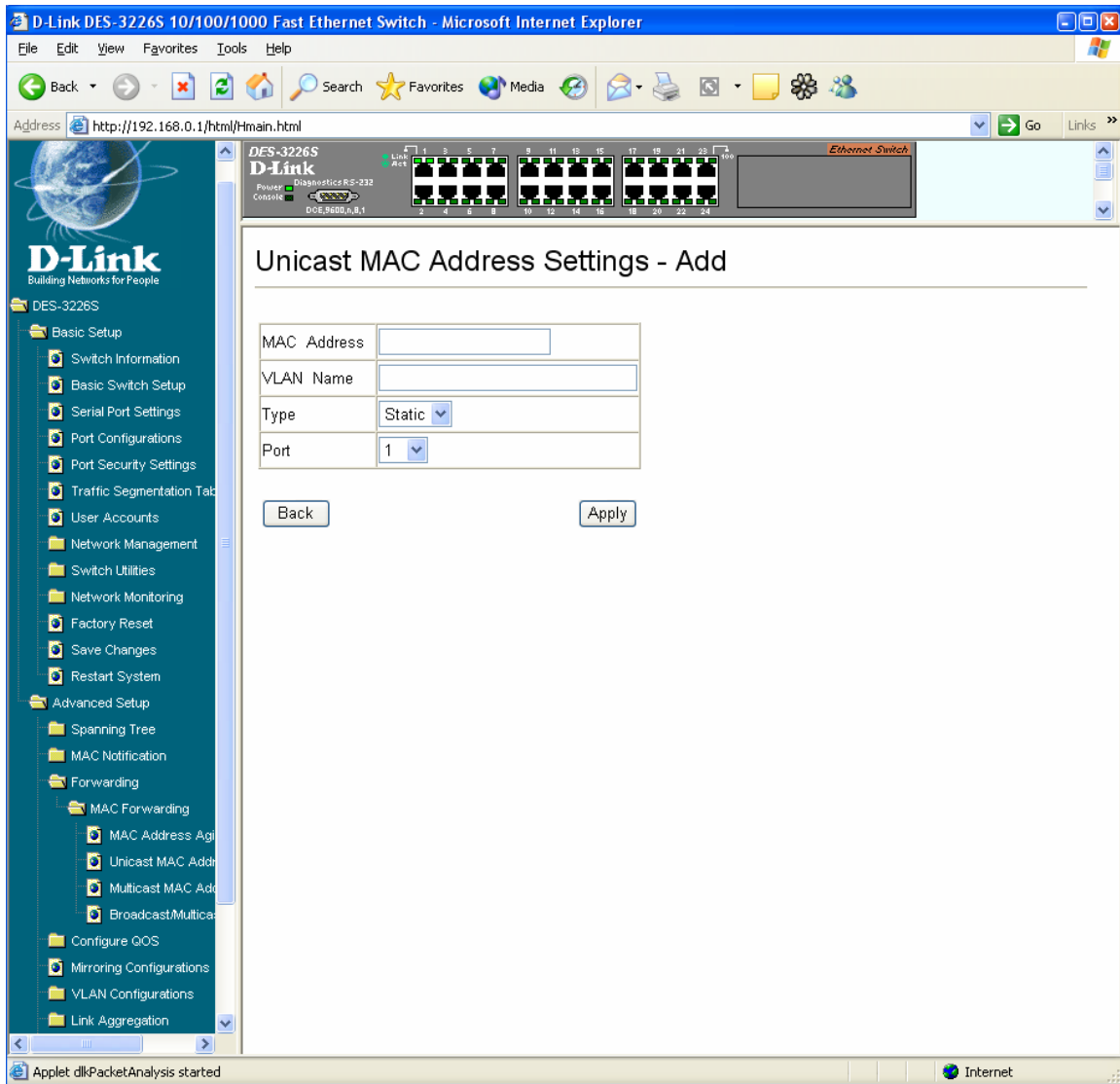
Configure how specific unicast MAC addresses are forwarded.

Total Entries: 0

MAC Address	VLAN Name	Port	Type
-------------	-----------	------	------

Applet dlkPacketAnalysis started

Internet



D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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 - Link Aggregation
 - 802.1X



DES-3226S
D-Link
Power Diagnostics RS-232 Console

Multicast MAC Address Settings

Configure how specific multicast MAC addresses are forwarded.

Total Entries: 0

MAC Address	VLAN Name	Port Map
		1 to 8 9 to 16 17 to 24 25 26

Applet dlkPacketAnalysis started Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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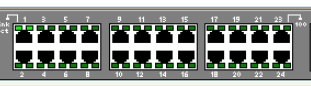
Address http://192.168.0.1/html/main.html Go Links



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DES-3226S
Power Console
DCE/MDI, RJ-45

Ethernet Switch

Multicast MAC Address Settings - Add

MAC Address																											
VLAN Name																											
State	Port	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
	None	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
	Egress	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Back Apply

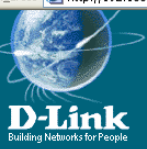
Applet dllPacketAnalysis started Internet

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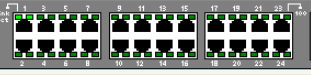
Address http://192.168.0.1/html/hmain.html Go Links



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DES-3226S
D-Link
Power Console
DOE9680A.1

Ethernet Switch

Broadcast/Multicast Storm Control

Configure thresholds for triggering storm control for broadcast and multicast packets.

	Upper Threshold (Kpps)	Broadcast Storm Mode	Multicast Storm Mode	Destination Lookup Fail
Group 1 [1-8]	128	Disabled	Disabled	Disabled
Group 2 [9-16]	128	Disabled	Disabled	Disabled
Group 3 [17-24]	128	Disabled	Disabled	Disabled
Group 4 [25]	128	Disabled	Disabled	Disabled
Group 5 [26]	128	Disabled	Disabled	Disabled

Apply

Applet dllPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S

D-Link

Power Control

Link Act

Ethernet Switch

QOS Output Scheduling

Class	MAX. Packets	MAX. Latency (*16 microseconds)
Class-0	0	0
Class-1	0	0
Class-2	0	0
Class-3	0	0

Apply

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Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S
D-Link
Power: 15W
Link: 10/100/1000
Port: 24
Model: DES-3226S-24

Ethernet Switch

802.1p Default Priority

Select priority based on port or disable priority based on per port basis.

Port	Default Priority	Port	Default Priority
1	0	14	0
2	0	15	0
3	0	16	0
4	0	17	0
5	0	18	0
6	0	19	0
7	0	20	0
8	0	21	0
9	0	22	0
10	0	23	0
11	0	24	0
12	0	25	0
13	0	26	0

Apply

Applet dliPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S
D-Link
Power
Cat5e
10/100/1000



Ethernet Switch

802.1p User Priority

Priority-0	Class-1
Priority-1	Class-0
Priority-2	Class-1
Priority-3	Class-2
Priority-4	Class-3
Priority-5	Class-1
Priority-6	Class-2
Priority-7	Class-3

Apply

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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 - 802.1X



DES-3226S
D-Link
Power Console
DGE9680A.1

Ethernet Switch

Bandwidth Control Table

Edit

	Port	RX Rate (Mbits)	TX Rate (Mbits)
☐	1	No Limit	No Limit
☐	2	No Limit	No Limit
☐	3	No Limit	No Limit
☐	4	No Limit	No Limit
☐	5	No Limit	No Limit
☐	6	No Limit	No Limit
☐	7	No Limit	No Limit
☐	8	No Limit	No Limit
☐	9	No Limit	No Limit
☐	10	No Limit	No Limit
☐	11	No Limit	No Limit
☐	12	No Limit	No Limit
☐	13	No Limit	No Limit
☐	14	No Limit	No Limit
☐	15	No Limit	No Limit
☐	16	No Limit	No Limit
☐	17	No Limit	No Limit
☐	18	No Limit	No Limit

Applet dliPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S
D-Link
Power: 100W
Case: 1U
DOE: 9600, 1.1



Ethernet Switch

Bandwidth Control Table - Edit

Port	1	
RX Rate		Mbits ☒ No Limit
TX Rate		Mbits ☒ No Limit

Applet dliPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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Ethernet Switch

Mirroring Configurations

Configure ports so that their traffic can be analyzed on the target port which has an analyzer attached.

Mirror Status: Disabled

Target Port: Port: 1

Mirrored Port	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
None	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Rx	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Tx	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Both	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Apply

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Internet

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 - Link Aggregation
 - 802.1X
 - System Log

DES-3226S
D-Link
Power: 15W
Case: 1U
Port: 24



Ethernet Switch

Switch GVRP

Enable or disable ports from dynamically joining VLANs.
When GVRP is disabled, only statically configured ports can be members of a VLAN.

Switch GVRP Disabled

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Internet

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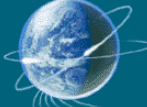
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Go Links



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DES-3226S



Power

Link

Act



Ethernet Switch

802.1Q VLANs

Configure 802.1Q VLANs by assigning ports a membership status.
Tagged ports can belong to more than one 802.1Q VLAN.

Total Entries: 1

New Edit Delete

VLAN ID (VID)	VLAN Name	Advertisement	Members												
			1	to	8	9	to	16	17	to	24	25	26		
☐ 1	default	Enabled	u	u	u	u	u	u	u	u	u	u	u	u	u

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Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S
D-Link
Power Lite
DGE-9600, V1.1



Ethernet Switch

802.1Q VLANs - Edit

VLAN ID (VID)	1
VLAN Name	default
Advertisement	Enabled

Port	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
Non-member	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Tagged	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Untagged	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	
Forbidden	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Back Apply

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DES-3226S
D-Link
Power Console
DOE9680A.1

Ethernet Switch

Port VLAN ID (PVID)

Configure whether the switch can exchange VLAN configuration information with other GVRP enabled switches.

If the Enable Ingress Filtering parameter for a given Port is set, the Ingress rules shall discard any frame received on that Port whose VLAN classification does not include that Port in its Member set.

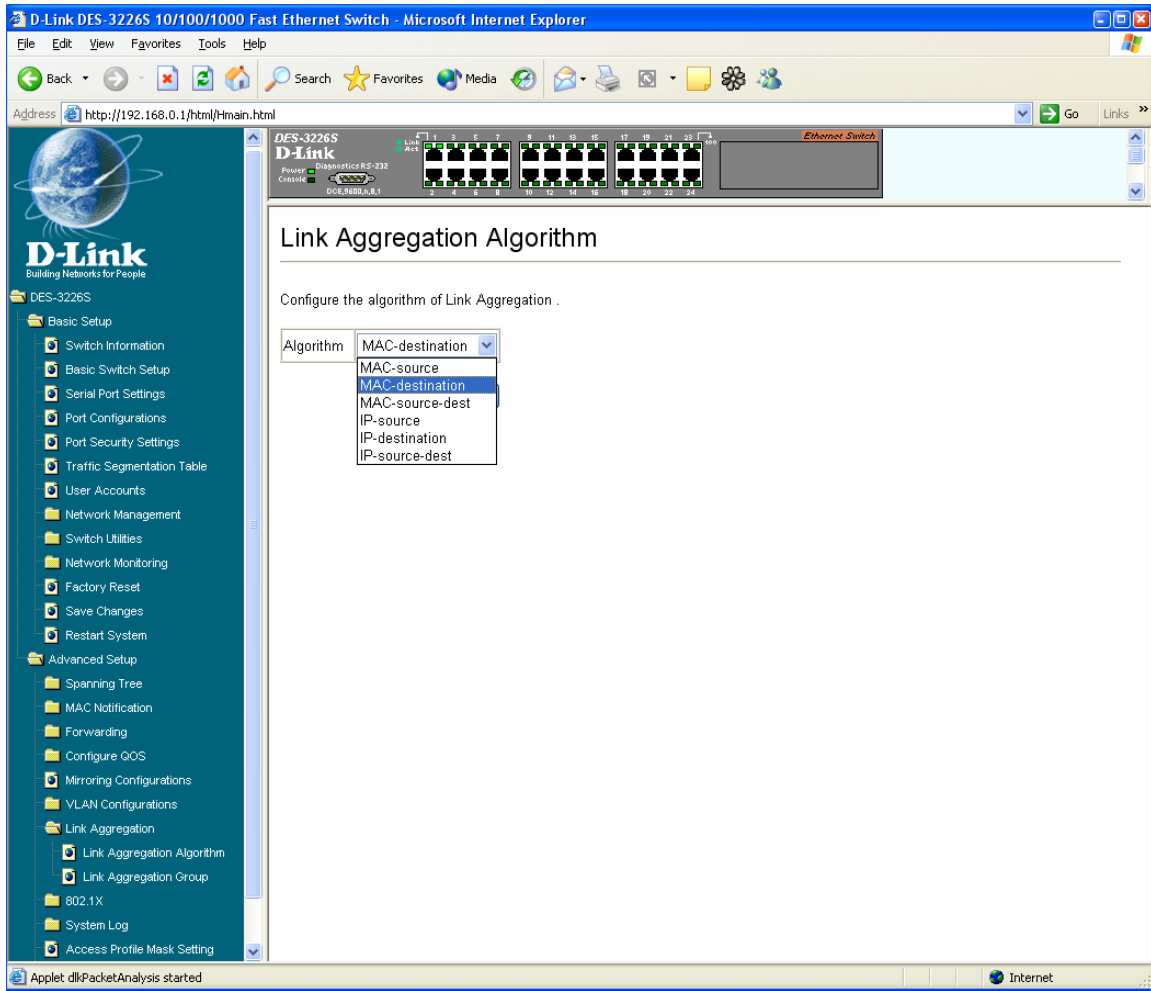
Port	PVID	GVRP	Ingress Checking
1	1	Disabled	Enabled
2	1	Disabled	Enabled
3	1	Disabled	Enabled
4	1	Disabled	Enabled
5	1	Disabled	Enabled
6	1	Disabled	Enabled
7	1	Disabled	Enabled
8	1	Disabled	Enabled
9	1	Disabled	Enabled
10	1	Disabled	Enabled
11	1	Disabled	Enabled
12	1	Disabled	Enabled
13	1	Disabled	Enabled

Port	PVID	GVRP	Ingress Checking
14	1	Disabled	Enabled
15	1	Disabled	Enabled
16	1	Disabled	Enabled
17	1	Disabled	Enabled
18	1	Disabled	Enabled
19	1	Disabled	Enabled
20	1	Disabled	Enabled
21	1	Disabled	Enabled
22	1	Disabled	Enabled
23	1	Disabled	Enabled
24	1	Disabled	Enabled
25	1	Disabled	Enabled
26	1	Disabled	Enabled

Apply

Applet dliPacketAnalysis started

Internet



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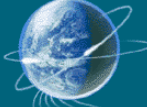
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D-Link

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 - Link Aggregation Group
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- System Log
- Access Profile Mask Setting

DES-3226S

D-Link

Power Control

Diag Port 1 to P.S. 332

DOE9680A.1

Link Act

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Ethernet Switch

Link Aggregation

Group several ports together so that they can act as a single port.

New

Edit

Delete

Group ID	Master Port	Port Members	Status	Anchor
1	eo	0 9 eo 16 17 eo 24 25 26		

Applet dllPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

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DES-3226S
D-Link
Power
Console
DGE9680A.1



Ethernet Switch

Link Aggregation

Group ID	1
Master Port	Port: 1
Status	Enabled
Port	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
Member	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Back Apply

Applet dllPacketAnalysis started

Internet

D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

Address: http://192.168.0.1/html/main.html

802.1X Port Settings

802.1X State: Disabled

Edit

Port	Capability	Port Status	Pae State	Backend State	AdminCrDir	OperCrDir	Port Control	QuietPeriod (sec)	TxPeriod (sec)	SuppTimeout (sec)	Server
1	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
2	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
3	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
4	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
5	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
6	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
7	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
8	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
9	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
10	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
11	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
12	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
13	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
14	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30
15	None	Authorized	Force_Authorized	Success	Both	Both	Auto	60	30	30	30

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D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

Address: http://192.168.0.1/html/main.html

802.1X Port Settings - Edit

Port	1
Capability	None
Port Status	Authorized
Pae State	Force_Authorized
Backend State	Success
AdminCrDir	Both
OperCrDir	Both
Port Control	Auto
QuietPeriod (sec)	60
TxPeriod (sec)	30
SuppTimeout (sec)	30
ServerTimeout (sec)	30
MaxReq	2
ReAuthPeriod (sec)	3600
ReAuthenticate	Disabled

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Cisco DES-3226S-10G

Ethernet Switch

Radius Server Settings

Total Entries: 0

New Edit Delete

Index	IP Address	Key	AuthPortNumber	AcctPortNumber	Status
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Internet

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 - System Log State
 - System Log Server
 - Access Profile Mask Setting

DES-3226S
Power Diagnostics R3-232
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Ethernet Switch

System Log State

Enabled or Disabled sending syslog messages on the switch.

System Log State Disabled

Apply

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Internet

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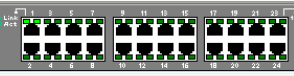


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Ethernet Switch

System Log Server

Total Entries: 0

Index	Server IP	Severity	Facility	UDP Port	Status
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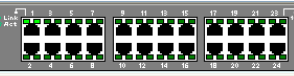
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Ethernet Switch

Access Profile Mask Setting

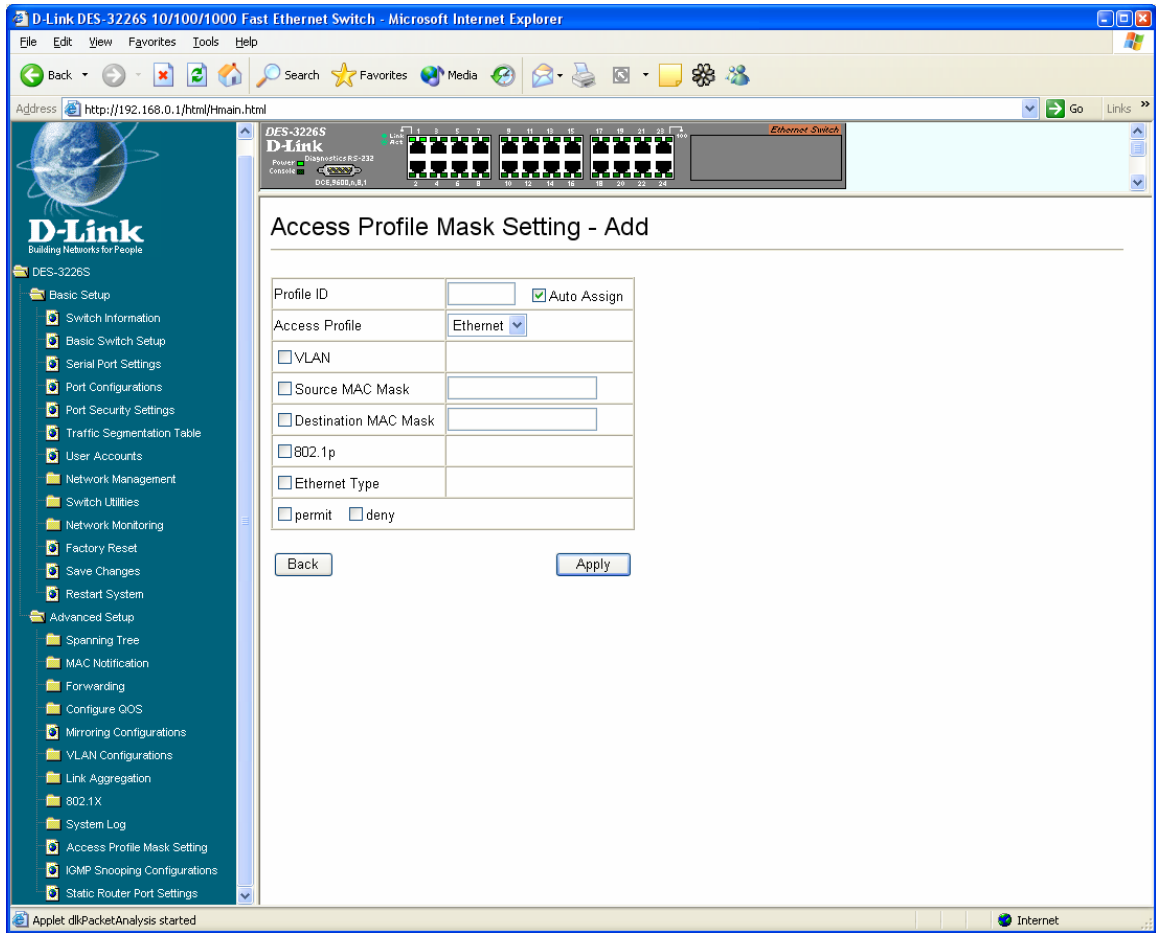
Total Entries: 0

New Edit Rule Delete

Profile ID	Access Profile	Access Profile Mask
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Internet



D-Link DES-3226S 10/100/1000 Fast Ethernet Switch - Microsoft Internet Explorer

Address: http://192.168.0.1/html/hmain.html

IGMP Snooping Configurations

Configure Internet Group Management Protocol snooping for an existing VLAN.

Total Entries: 1

[Edit](#)

VLAN Name	Query Interval	Max Response Time	Robustness Variable	Last Member Query Interval	Querier State	Querier Setting Behavior	Host Timeout
☒ default	125	10	2	1	Disabled	Non-Querier	260

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Address: http://192.168.0.1/html/hmain.html

IGMP Snooping Configurations - Edit

VLAN Name	default
Query Interval (1 - 65535)	125
Max Response (1 - 25)	10
Robustness Variable (1 - 255)	2
Last Member Query Interval (1 - 65535)	1
Querier State	Disabled
Host Timeout (1 - 16711450)	260
Host Leave Timer (1 - 16711450)	2
Route Timeout (1 - 16711450)	260
State	Disabled

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Static Router Port Settings

Statically configure how multicast packets are routed.

Total Entries: 1

VLAN Name	Router Port
default	1 to 8 9 to 16 17 to 24 25 26

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Static Router Port Settings - Edit

VLAN Name: default

Port: 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

Member: ☐

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Internet

SETTING IP ADDRESS VIA HYPERTERMINAL:

DES-3226S:4#config ipif System ipaddress 192.168.0.1/255.255.255.0
Command: config ipif System ipaddress 192.168.0.1/24

Success.

DES-3226S:4#

LOADING FIRMWARE VIA TELNET & TFTP:

DES-3226S:4#download firmware 192.168.0.249 DES3226S_300B24.had
Command: download firmware 192.168.0.249 DES3226S_300B24.had

Connecting to server..... Done.
Download firmware..... Done. Do not power off!
Please wait, programming flash..... Done.
Saving current settings to NV-RAM..... Done.
Please wait, the switch is rebooting...

TRAFFIC SEGMENTATION:

Firmware should be ver. 2.00B12 or higher

command should be

config traffic_segmentation 1:2 forward_list 1:1
config traffic_segmentation 1:3 forward_list 1:1
config traffic_segmentation 1:4 forward_list 1:1

etc.