

# DES-1210-28 (Fw 1.00.014)



**DES-1210-28/52**  
**FAST ETHERNET**  
**WEB SMART SWITCH**

With D-Link Safeguard Engine, the robustness of D-Link Web Smart Switch will increase overall network serviceability, reliability and availability.



- Install SmartConsole Utility
- Install D-View Module
- Getting Started Guide
- Manual
- Install Adobe Reader
- Visit support.dlink.com

 EXIT



**FAST ETHERNET**  
**WEB SMART SWITCH**

 Before installing the SmartConsole Utility, be sure to remove any previous versions on your computer.

**Click the install button to proceed with installation**



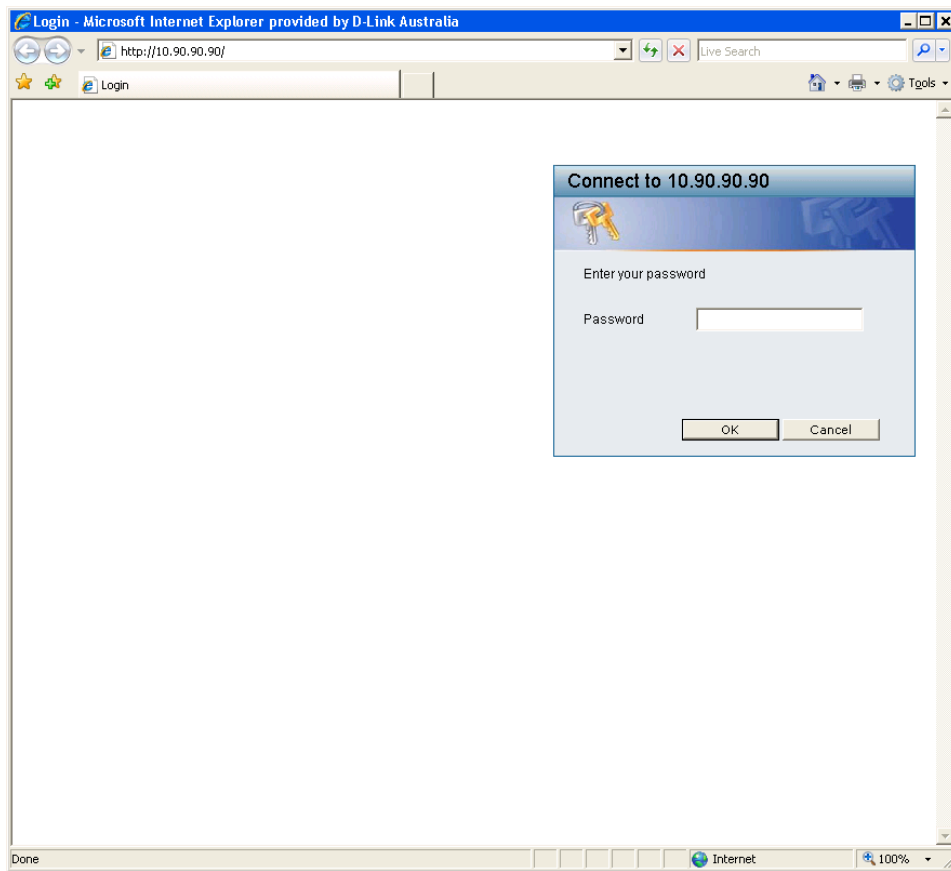
 Back EXIT 





Default IP: 10.90.90.90

Default password: admin



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### Welcome to Smart Wizard

The Smart Wizard will guide you to configure some functions all at once. If you are not planning to do any change in it, you can click exit to get out of the wizard and go back to Web Interface.

Switch Password

Confirm Switch Password

Don't show Smart Wizard next time

Done Internet 100%

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### Welcome to Smart Wizard

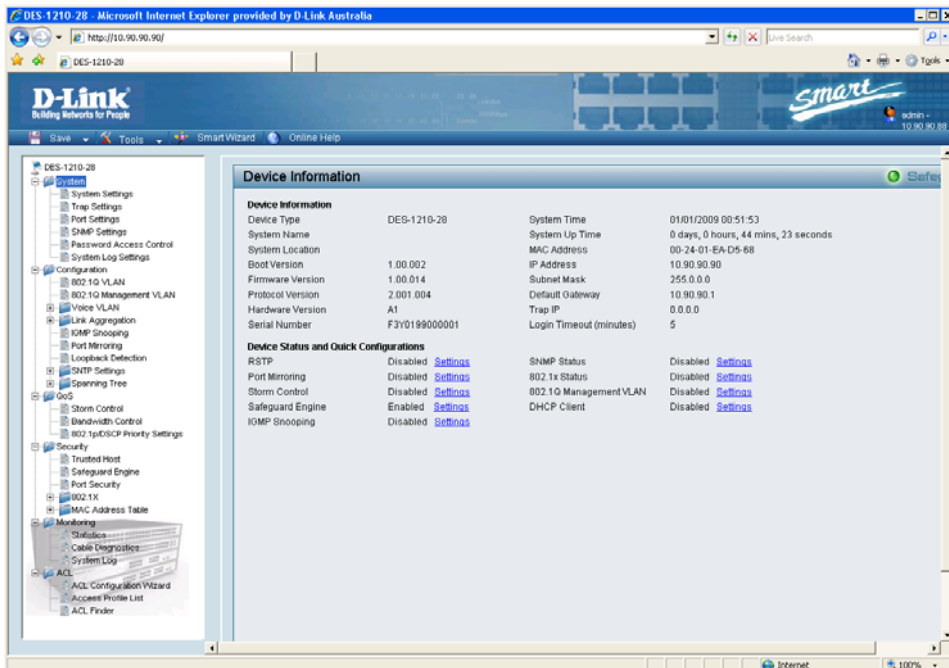
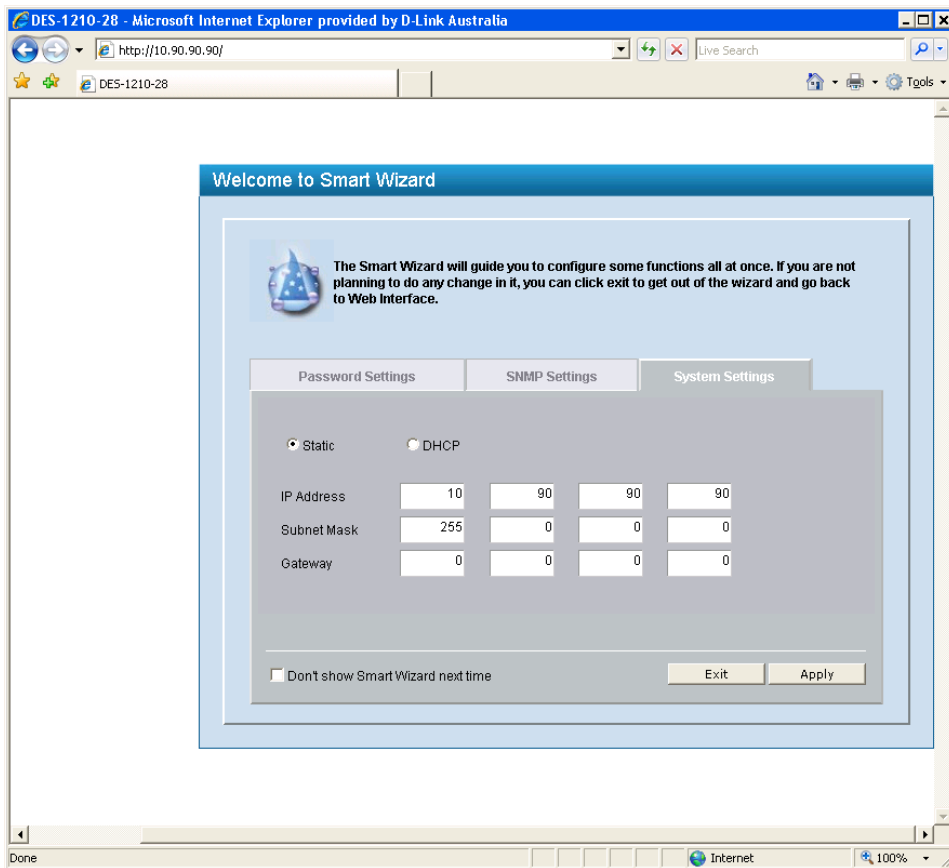
The Smart Wizard will guide you to configure some functions all at once. If you are not planning to do any change in it, you can click exit to get out of the wizard and go back to Web Interface.

SNMP:  Enabled  Disabled

Access Right	Community Name	Delete
Read_Only Community	public	<input type="button" value="Delete"/>
Read_Write Community	private	<input type="button" value="Delete"/>

Don't show Smart Wizard next time

Done Internet 100%



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Save Configuration Save Log

System Settings

System

- System Settings
- Trap Settings
- Port Settings
- SNMP Settings
- Password Access Control
- System Log Settings

Configuration

- 802.1Q VLAN
- 802.1Q Management VLAN
- Voice VLAN
- Voice VLAN Setting
- Voice VLAN QoS Setting
- Link Aggregation
- Port Forwarding
- LACP Port Settings
- KOMP Snooping
- Port Mirroring
- Loopback Detection

SNTP Settings

- Time Settings
- Time Zone Settings

Spanning Tree

- STP Global Settings
- STP Port Settings

QoS

- Storm Control
- Bandwidth Control
- 802.1p/QoS Priority Settings

Security

- Trusted Host
- Safeguard Engine
- Port Security
- 802.1X
- 802.1X Settings
- MAC Address Table
- Static MAC
- Dynamic Forwarding Table

Monitoring

- Statistics
- Cable Diagnostics
- System Log

ACL

System Settings

IP Information

Static  DHCP

IP Address: 10 90 90 90

Subnet Mask: 255 0 0 0

Gateway: 10 90 90 1

Apply

System Information

System Name:

System Location:

Login Timeout (3-30 minutes): 5

Group Interval (120-1225 seconds): 120 (Disable: 0 second)

Apply

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Reset

- DES
- Reset System
- Reboot Device
- Configuration Backup & Restore
- Firmware Backup & Upgrade
- Port Settings
- SNMP Settings
- Password Access Control
- System Log Settings

Configuration

- 802.1Q VLAN
- 802.1Q Management VLAN
- Voice VLAN
- Voice VLAN Setting
- Voice VLAN QoS Setting
- Link Aggregation
- Port Forwarding
- LACP Port Settings
- KOMP Snooping
- Port Mirroring
- Loopback Detection

SNTP Settings

- Time Settings
- Time Zone Settings

Spanning Tree

- STP Global Settings
- STP Port Settings

QoS

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- Bandwidth Control
- 802.1p/QoS Priority Settings

Security

- Trusted Host
- Safeguard Engine
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System Settings

IP Information

Static  DHCP

IP Address: 10 90 90 90

Subnet Mask: 255 0 0 0

Gateway: 10 90 90 1

Apply

System Information

System Name:

System Location:

Login Timeout (3-30 minutes): 5

Group Interval (120-1225 seconds): 120 (Disable: 0 second)

Apply

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Save Tools Smart Wizard Online Help

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  - Access Profile List
  - ACL Finder

**System Settings**

**IP Information**

static  DHCP

IP Address: 10 90 90 90  
 Subnet Mask: 255 0 0 0  
 Gateway: 10 90 90 1

**System Information**

System Name:   
 System Location:   
 Login Timeout (3-30 minutes): 5  
 Group Interval (120-1225 seconds): 120 (Disable: 0 second)

Done Internet 100%

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**Trap Settings for SmartConsole**

Enabled  Disabled

Destination IP: 0 0 0 0

System Event:  Device Bootup  Illegal Login

Fiber Port Event:  Link Up/Link Down

Twisted Pair Port Event:  Link Up/Link Down

RSTP Port State Change:  State Change

Firmware Upgrade State:  Upgrade Success/ Upgrade Failure

Internet 100%



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### Port Settings

From Port: 1 To Port: 28

Speed: Auto MDIX: Auto Flow Control: Disabled

Apply Refre

Port	Link Status	Speed	MDIX	Flow Control
1	100M Full	Auto	Auto	Disabled
2	Down	Auto	Auto	Disabled
3	Down	Auto	Auto	Disabled
4	Down	Auto	Auto	Disabled
5	Down	Auto	Auto	Disabled
6	Down	Auto	Auto	Disabled
7	Down	Auto	Auto	Disabled
8	Down	Auto	Auto	Disabled
9	Down	Auto	Auto	Disabled
10	Down	Auto	Auto	Disabled
11	Down	Auto	Auto	Disabled
12	Down	Auto	Auto	Disabled
13	Down	Auto	Auto	Disabled
14	Down	Auto	Auto	Disabled
15	Down	Auto	Auto	Disabled
16	Down	Auto	Auto	Disabled
17	Down	Auto	Auto	Disabled
18	Down	Auto	Auto	Disabled
19	Down	Auto	Auto	Disabled
20	Down	Auto	Auto	Disabled
21	Down	Auto	Auto	Disabled
22	Down	Auto	Auto	Disabled
23	Down	Auto	Auto	Disabled
24	Down	Auto	Auto	Disabled
25	Down	Auto	Auto	Disabled
26	Down	Auto	Auto	Disabled
27	Down	Auto	Auto	Disabled
28	Down	Auto	Auto	Disabled

Done

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### SNMP Settings

SNMP  Enabled  Disabled

Apply

#### Community Settings

Access Right	Community Name	Delete
Read_Only	public	Delete
Read_Write	private	Delete

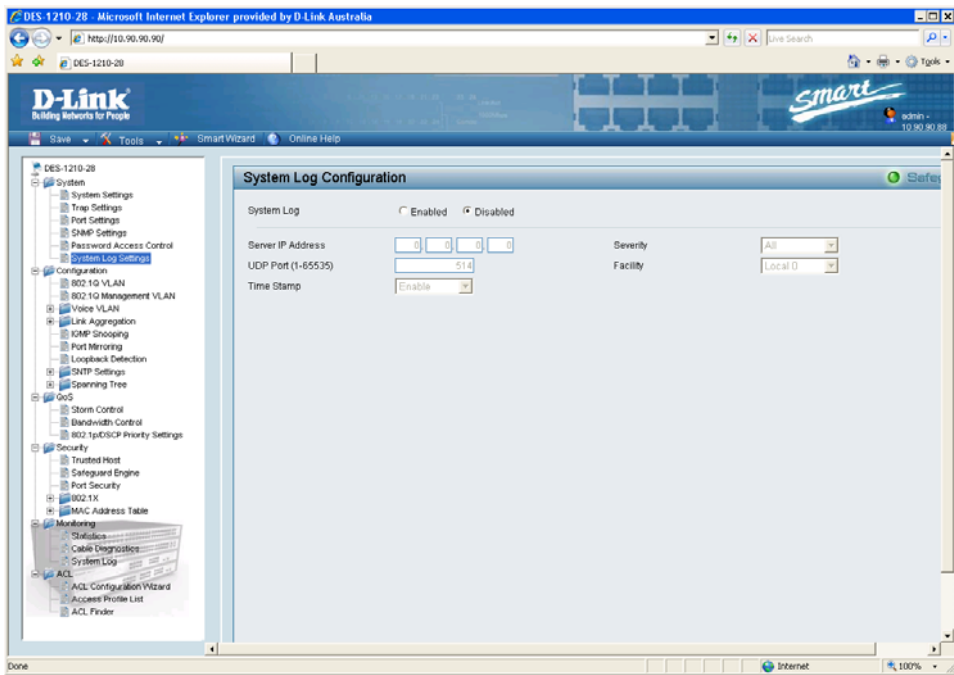
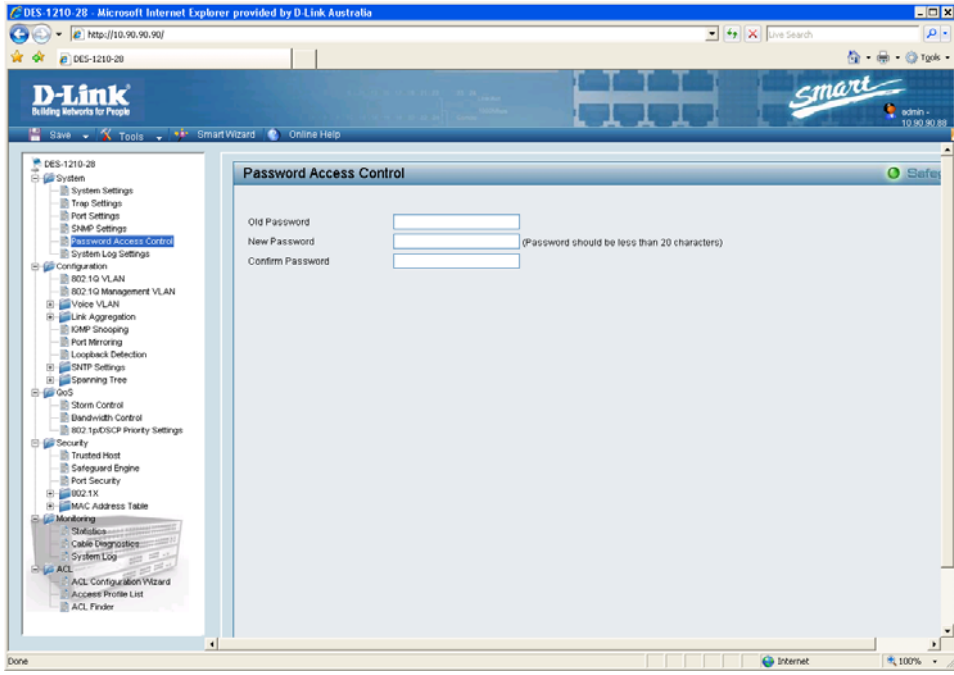
Add

#### Trap Settings

Enabled  Disabled

Trap Name	IP	Event
public		<input type="checkbox"/> SNMP Authentication Traps <input type="checkbox"/> System Device Backup <input type="checkbox"/> Fiber Port Link Up / Link Down <input type="checkbox"/> Twisted Pair Port Link Up / Link Down <input type="checkbox"/> RSTP Port State Change <input type="checkbox"/> Firmware Upgrade State

Done





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**VID Configuration**

VID: 1

VLAN Name: [ ]

Port	Select All	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Untag	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tag	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not Member	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Port	Select All	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Untag	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tag	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not Member	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Previous Page Apply

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**IEEE 802.1Q VLAN Configuration**

Asymmetric VLAN [Example]  Enabled  Disabled Apply

Note: After enabling Asymmetric VLAN by clicking the "Apply" button, users can configure PVID in the following window.

(Maximum Entries: 256)

VID	VLAN Name	Untagged VLAN Ports	Tagged VLAN Ports	VLAN Rename	Delete VID
1		01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28		<span>Rename</span>	<span>Delete VID</span>

VID: [ ]

VLAN Name: [ ] (Name should be less than 20 characters)

Port	Select All	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Untagged	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tagged	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not Member	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Port	Select All	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Untagged	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tagged	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not Member	All	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Cancel Apply

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**IEEE 802.1Q Management VLAN Configuration**

Management VLAN  Enabled  Disabled

VID

VLAN Name

Apply

Done

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**Voice VLAN Setting**

Voice VLAN  Enabled  Disabled

**Voice VLAN Global Settings**

Vlan ID  Aging Time  (1-120 hours)

Priority

**Voice Vlan Port Settings**

From Port  To Port  Auto Detection

Port	Auto Detection	Status
1	Disabled	None
2	Disabled	None
3	Disabled	None
4	Disabled	None
5	Disabled	None
6	Disabled	None
7	Disabled	None
8	Disabled	None
9	Disabled	None
10	Disabled	None
11	Disabled	None
12	Disabled	None
13	Disabled	None
14	Disabled	None
15	Disabled	None
16	Disabled	None
17	Disabled	None
18	Disabled	None
19	Disabled	None
20	Disabled	None
21	Disabled	None
22	Disabled	None
23	Disabled	None

Done

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**Voice VLAN OUI Setting**

Default OUI  User defined OUI  (Maximum user defined OUI : 10)

Description: 3COM, 3COM, Cisco, Vertel, Pingtel, Siemens, NEC/Philips, Huawei3COM, Araya

Telephony OUI: 00-E0-00-00-00-00, 000-XX-XX-XX-XX-XX

Add

ID	Desc	Telephony OUI	OUI Mask	Delete

Done

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    - Voice VLAN OUI Setting
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      - Port Trunking**
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**Port Trunking**

Link Aggregation State:  Enabled  Disabled Apply

Edit Trunking Information

ID	Type	Ports
01	Disable	
02	Disable	
03	Disable	
04	Disable	
05	Disable	
06	Disable	
07	Disable	
08	Disable	

Note: maximum 8 ports in static group and 8 ports in LACP group.

Trunking list

ID	Type	Ports
01	Disable	
02	Disable	
03	Disable	
04	Disable	
05	Disable	
06	Disable	
07	Disable	
08	Disable	

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**LACP Port Settings**

Link Aggregation Port Configuration

From Port: 01 To Port: 26 Port Priority(0-65535): 128 Activity: Passive Timeout: short (3 sec)

Apply

Port	Port Priority	Activity	Timeout
01	128	Active	Long (90 sec)
02	128	Active	Long (90 sec)
03	128	Active	Long (90 sec)
04	128	Active	Long (90 sec)
05	128	Active	Long (90 sec)
06	128	Active	Long (90 sec)
07	128	Active	Long (90 sec)
08	128	Active	Long (90 sec)
09	128	Active	Long (90 sec)
10	128	Active	Long (90 sec)
11	128	Active	Long (90 sec)
12	128	Active	Long (90 sec)
13	128	Active	Long (90 sec)
14	128	Active	Long (90 sec)
15	128	Active	Long (90 sec)
16	128	Active	Long (90 sec)
17	128	Active	Long (90 sec)
18	128	Active	Long (90 sec)
19	128	Active	Long (90 sec)
20	128	Active	Long (90 sec)
21	128	Active	Long (90 sec)
22	128	Active	Long (90 sec)
23	128	Active	Long (90 sec)
24	128	Active	Long (90 sec)
25	128	Active	Long (90 sec)
26	128	Active	Long (90 sec)
27	128	Active	Long (90 sec)

Done

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**IGMP Snooping Configuration**

IGMP Snooping  Enabled  Disabled

**IGMP Global Settings**

Host Timeout (130-153025 sec): 260 Router Timeout (60-600 sec): 260

Robustness Variable (2-255): 2 Last Member Query Interval (1-25 sec): 1

Query Interval (60-600 sec): 125 Max Response Time (10-25 sec): 10

Note: The Host Timeout was computed automatically in Querier Enabled by (Robustness Variable \* Query Interval + Max Response Time).

Apply

**The VLAN Settings of IGMP snooping**

VLAN ID	VLAN Name	State	Querier State	Router Ports Settings	Multicast Entry Table
1		Enabled	Disabled	Edit	View

Apply

Done

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**Port Mirroring Configuration**

Port Mirroring  Enabled  Disabled

Target Port: 01

Source Port Selection

Sniffer Mode	Select All	01	02	03	04	05	06	07	08	09	10	11	12	13	14
TX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Both	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sniffer Mode	Select All	15	16	17	18	19	20	21	22	23	24	25	26	27	28
TX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Both	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Apply

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**Loopback Detection Settings**

State  Enabled  Disabled

Loopback Detection Global Settings

Interval (1-32767)  sec

Recover Time (0 or 60-1000000)  sec

Apply

From Port: 1 To Port: 28 State: Disabled

Apply Refresh

Port	Loopdetect Detection State	Loop Status
1	Disabled	Normal
2	Disabled	Normal
3	Disabled	Normal
4	Disabled	Normal
5	Disabled	Normal
6	Disabled	Normal
7	Disabled	Normal
8	Disabled	Normal
9	Disabled	Normal
10	Disabled	Normal
11	Disabled	Normal
12	Disabled	Normal
13	Disabled	Normal
14	Disabled	Normal
15	Disabled	Normal
16	Disabled	Normal
17	Disabled	Normal
18	Disabled	Normal
19	Disabled	Normal
20	Disabled	Normal
21	Disabled	Normal
22	Disabled	Normal
23	Disabled	Normal



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### Time Settings

Clock Source  Local  SNTP

Current Time 01/01/2009 01:03:30

**SNTP Server Configuration**

SNTP First Server

SNTP Second Server

SNTP Poll Interval In Seconds (30-99999)

**Manually set current time**

Date (D/M/YY)

Time (H:MM:SS)

**Set time from PC**

Date (D/M/YY)

Time (H:MM:SS)

Apply

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### TimeZone Settings

Daylight Saving Time State

Daylight Saving Time Offset In Minutes

Time Zone Offset from GMT In +/-H:MM

**DST Annual Settings**

From: Month

From: Day

From: Time In H:MM

To: Month

To: Day

To: Time In H:MM

Apply

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**STP Global Settings**

RSTP Status  Enabled  Disabled

STP Version: RSTP

Bridge Priority: 32768

Tx Hold Count (1-10): 8

Maximum Age (6-40 secs): 20

Hello Time (1-10 secs): 2

Forward Delay (4-30 secs): 15

Root Bridge: 00 00 00 00 00 00 00

Root Cost: 0

Root Maximum Age: 20

Root Forward Delay: 15

Root Port: 0

Apply Refresh

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**STP Port Settings**

From Port: 01 To Port: 20 State: Disabled

External Cost (0-200000000, 0=AUTO): 2000000

Priority: 128

Restricted TCN: False

Migrate: Disabled

P2P: Auto

Edge: Auto

Restricted Role: False

Apply Refresh

Port	State	Priority	External Cost	Edge	P2P	Restricted Role	Restricted TCN	Port State
01								undefined
02								undefined
03								undefined
04								undefined
05								undefined
06								undefined
07								undefined
08								undefined
09								undefined
10								undefined
11								undefined
12								undefined
13								undefined
14								undefined
15								undefined
16								undefined
17								undefined
18								undefined
19								undefined
20								undefined
21								undefined
22								undefined
23								undefined
24								undefined

Done

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### Storm Control

Storm Control  Enable  Disable

Storm Control

N = (1 - 18000)

Threshold (84kbps \* N)  \*  =  kbps

Apply

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### Bandwidth Control

From Port  To Port  Type  No Limit  Rate(84-1024000)  Kbits/sec

Apply

Port	Type	Rate (kbits/sec)	Rx Rate (kbits/sec)
01	Both	No Limit	No Limit
02		No Limit	No Limit
03		No Limit	No Limit
04		No Limit	No Limit
05		No Limit	No Limit
06		No Limit	No Limit
07		No Limit	No Limit
08		No Limit	No Limit
09		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
19		No Limit	No Limit
20		No Limit	No Limit
21		No Limit	No Limit
22		No Limit	No Limit
23		No Limit	No Limit
24		No Limit	No Limit
25		No Limit	No Limit
26		No Limit	No Limit
27		No Limit	No Limit
28		No Limit	No Limit

Note: The multiple of 1050 kbits/sec will be set automatically because the resolution of Giga-port Tx bandwidth control is 1050 kbits/sec.

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### IEEE 802.1p Default Priority

Select QoS Mode:  802.1p  DSCP

Queuing mechanism:  Strict Priority  WRR (By default is strict priority) Apply

By default the 802.1p is chosen. To enable DSCP mode, please select the DSCP mode and press "Apply" to go to DSCP Priority Settings page.

From Port: 1 To Port: 26 Priority: Medium Apply

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

For ingress untagged packets, the per port "Default Priority" settings will be applied to packets of each port to provide port-based traffic prioritization.  
For ingress tagged packets, D-Link Smart Switches will refer to their 802.1p information and prioritize them with 4 different priority queues.

Done

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### Trusted Host

Trusted Host:  Enabled  Disabled Apply

#### Trusted Host Settings

(Maximum Entries: 10)

ID	IP Address	IP Mask	Delete
----	------------	---------	--------

Add Host

Note: Create a list of IP Addresses that can access the switch. Your local host IP Addresses must be one of the IP Addresses to avoid disconnection.

Done

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**Safeguard Engine**

Safeguard Engine:  Enabled  Disabled Apply

D-Link **Safeguard Engine** is a robust and innovative technology developed by D-Link, which will automatically throttle the impact of packet flooding into the switch's CPU. It will keep D-Link Switches better protected from being too frequently interrupted by malicious viruses or worm attacks.

Done

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**Port Security**

From Port: 01 To Port: 28 Admin State: Disabled Max Learning Address (0-64): 0 Apply

Port	Admin State	Max Learning Address
01	Disabled	0
02	Disabled	0
03	Disabled	0
04	Disabled	0
05	Disabled	0
06	Disabled	0
07	Disabled	0
08	Disabled	0
09	Disabled	0
10	Disabled	0
11	Disabled	0
12	Disabled	0
13	Disabled	0
14	Disabled	0
15	Disabled	0
16	Disabled	0
17	Disabled	0
18	Disabled	0
19	Disabled	0
20	Disabled	0
21	Disabled	0
22	Disabled	0
23	Disabled	0
24	Disabled	0
25	Disabled	0
26	Disabled	0
27	Disabled	0
28	Disabled	0

Done

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**802.1X Settings**

802.1X  Enabled  Disabled

**802.1X Global Settings**

Radius Server IP

Key

Confirm Key

TxPeriod (1 - 65535 sec)

ReAuthEnabled

QuietPeriod (0 - 65535 sec)

SuppTimeout (1 - 65535 sec)

ServerTimeout (1 - 65535 sec)

MaxReq (1 - 10)

ReAuthPeriod (1 - 4294967295 sec)

Apply

**802.1X Port Access Control**

From Port  To Port  Control

Apply Refresh

Port	Control	Port Status	Session Time	User ID
01	Force Authorized	+	0	*****
02	Force Authorized	+	0	*****
03	Force Authorized	+	0	*****
04	Force Authorized	+	0	*****
05	Force Authorized	+	0	*****
06	Force Authorized	+	0	*****
07	Force Authorized	+	0	*****
08	Force Authorized	+	0	*****
09	Force Authorized	+	0	*****
10	Force Authorized	+	0	*****
11	Force Authorized	+	0	*****
12	Force Authorized	+	0	*****
13	Force Authorized	+	0	*****
14	Force Authorized	+	0	*****
15	Force Authorized	+	0	*****
16	Force Authorized	+	0	*****
17	Force Authorized	+	0	*****

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**Static MAC Configuration**

Disable auto learning on ports other than the uplink ports configured below  On  Off

	01	02	03	04	05	06	07	08	09	10	11	12	13	14
Uplink Port	<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"/>
Uplink Port	<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"/>

Apply

**Static MAC Address Lists (Maximum Entries: 256)**

ID	Port	MAC Address	VID
----	------	-------------	-----

Delete all

Add MAC

Done

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Dynamic Forwarding Table Configuration

Port: All

Find Select all Clean all

ID	Port	MAC Address	VID	Type	Add
1	1	00-50-BA-38-9E-E1	1	Dynamic	

Page: 01 One Page Next Page Apply

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Statistics

Refresh All Clear All Counters

Port	TxOK	RxOK	TxError	RxError
1	4833	3923	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	0	0	0	0
8	0	0	0	0
9	0	0	0	0
10	0	0	0	0
11	0	0	0	0
12	0	0	0	0
13	0	0	0	0
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	0	0	0	0
18	0	0	0	0
19	0	0	0	0
20	0	0	0	0
21	0	0	0	0
22	0	0	0	0
23	0	0	0	0
24	0	0	0	0
25	0	0	0	0
26	0	0	0	0
27	0	0	0	0
28	0	0	0	0

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- Security
  - Trusted Host
  - Safeguard Engine
  - Port Security
  - 802.1X
  - 802.1X Settings
  - MAC Address Table
  - Static MAC
  - Dynamic Forwarding Table
- Monitoring
  - Statistics
  - Cable Diagnostics
  - System Log
- ACL
  - ACL Configuration Wizard
  - Access Profile List
  - ACL Finder

ACL Configuration Wizard

General ACL Rules

From: Any

MAC Address: [ ]

IPv4 Address: [ ]


Service Type: Any

Action: Permit

Ports: [ ] ex:(1,2,4-6)

Apply

Note:  
 ACL Wizard will create the access profile and rule automatically.  
 For advanced access profile/rule setting, you can manually configure it in Access Profile List.



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  - 802.1X Settings
  - MAC Address Table
  - Static MAC
  - Dynamic Forwarding Table
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ACL Configuration Wizard

General ACL Rules

From: Any

To: Any

Service Type: Any


ACL: Any

- EitherType
- ICMP All
- IGMP
- TCP All
- TCP Source Port
- TCP Destination Port
- UDP All
- UDP Source Port
- UDP Destination Port

Ports: [ ] ex:(1,2,4-6)

Apply

Note:  
 ACL Wizard will create the access profile and rule automatically.  
 For advanced access profile/rule setting, you can manually configure it in Access Profile List.



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ACL Configuration Wizard

**General ACL Rules**

From  
IPv4 Address 192.168.0.1/24 ex(192.168.1.10/24)

To  
IPv4 Address 192.168.0.2/24 ex(192.168.1.10/24)


Service Type  
ICMP All

Action  
Deny

Ports  
1-5 ex(1,2,4-6)

Apply

**Note:**  
ACL Wizard will create the access profile and rule automatically.  
For advanced access profile/rule setting, you can manually configure it in Access Profile List.



Done

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Access Profile List

Add ACL Profile Delete All

Profile ID	Owner Type	Profile Summary	Show Details	Edit/New Rules	Delete
1	ACL	ICMP, Source IP Mask, Destination IP Mask, ICMP Type, ICMP Code	Show Details	Edit/New Rules	Delete
51	Voice VLAN	Source MAC	Show Details	Show Rules	Delete

CurrentMax Profile: 1/50, CurrentMax Rule: 3/240



Done

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### ACL Finder

ACL rule finder helps you identify any rule has been assigned to a specific port

Profile ID:  Ports:

Find

Profile ID	Access ID	Profile Type	Summary	Action
1	1	IP	ICMP, Destination IP, Source IP	Deny <input type="button" value="Delete"/>

Done

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