

D-Link Smartconsole screenshots.

The screenshot displays the SmartConsole Utility application window. The title bar reads "SmartConsole Utility" and includes standard window controls. The menu bar contains "File", "View", "Option", and "Help".

The main interface is divided into three sections:

- Discovery List:** A table with columns: MAC Address, IP Address, Protocol Version, Product Name, System Name, DHCP, and Location. It contains one entry: MAC Address 00134637a54c, IP Address 192.168.0.1, Protocol Version 2.001.003, Product Name DES-1252, System Name ..., and DHCP disable. A "Discovery" button is located at the bottom right of this section.
- Monitor List:** A table with columns: S, IP Address, MAC Address, Protocol Version, Product Name, System Name, DHCP, and Location. It is currently empty. A green status indicator is visible on the left. Below the table are buttons for "View trap", "Add item", and "Delete item". A button labeled "Add to monitor list" with a downward arrow is positioned above the table.
- Device Setting:** A section containing five buttons: "Configuration setting", "Password change", "Firmware upgrade", "Web access", and "DHCP Refresh".

An "Exit" button is located at the bottom right of the application window.

Configuration setting

Product name	DES-1252	MAC Address	00134637a54c
IP Address	192 . 168 . 0 . 1	Subnet mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 0 . 254	Set trap to	0 . 0 . 0 . 0
System name		Location	
Password		Group Interval	120

DHCP Enable Disable

Password_change

New password	<input type="text"/>	Confirm password	<input type="text"/>
Original password	<input type="text"/>		

Firmware Upgrade

Device Information

Device IP	192.168.0.1
Device Mac	00134637a54c

Upgrade Setting

Firmware Path	<input type="text"/> <input type="button" value="Browse"/>
Password	<input type="text"/>

Upgrade State

When the web access button is pushed you will be directed to the units GUI via http browser. The default password is 'admin'

Connect to 192.168.0.1



Enter your password

Password

OK Cancel

D-Link
Building Networks for People

Smart

admin - 192.168.0.2 Logout

Tool

DES-1252

- System
- Configuration
- QoS
- Security
- Monitoring



Device Information

Safeguard

Device Type	DES-1252
Firmware Version	1.00.07
Protocol Version	2.001.003
MAC Address	00-13-46-37-a5-4c
DHCP Client	Disabled setting
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.254
Safeguard Engine	Enabled setting
Trap IP	0.0.0.0
System Name	
System Location	
Login Timeout (minutes)	5
System Up Time	0 days 1 hours 33 mins 31 seconds
802.1D Spanning Tree	Disabled setting
Port Mirroring	Disabled setting
Broadcast Storm Control	Disabled setting
IGMP Snooping	Disabled setting
SNMP Status	Disabled setting
802.1X Status	Disabled setting

- DES-1252
 - System
 - System Setting**
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

System Setting



IP Information

Static DHCP

IP Address: 192.168.0.1
Subnet Mask: 255.255.255.0
Gateway: 192.168.0.254

Apply

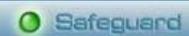
System Information

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

Apply

- DES-1252
 - System
 - System Setting
 - Trap Setting**
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Trap Setting 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

Apply

DES-1252

- System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
- Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
- QoS
 - 802.1p Default Priority
- Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
- Monitoring
 - Statistics



Port Setting

Safeguard

From Port: To Port: Speed:

Apply Refresh

Port	Link Status	Speed	Priority
01	100M Half	Auto	Middle
02	Down	Auto	Middle
03	Down	Auto	Middle
04	Down	Auto	Middle
05	Down	Auto	Middle
06	Down	Auto	Middle
07	Down	Auto	Middle
08	Down	Auto	Middle
09	Down	Auto	Middle
10	Down	Auto	Middle
11	Down	Auto	Middle
12	Down	Auto	Middle
13	Down	Auto	Middle
14	Down	Auto	Middle
15	Down	Auto	Middle
16	Down	Auto	Middle
17	Down	Auto	Middle

DES-1252

- System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
- Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
- QoS
 - 802.1p Default Priority
- Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
- Monitoring
 - Statistics



SNMP Setting

Safeguard

SNMP Enabled Disabled

Community Setting

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

Apply

Trap Setting

Enabled Disabled

Trap Name	IP	Event
<input type="text" value="public"/>	<input type="text" value="0."/> <input type="text" value="0."/> <input type="text" value="0."/> <input type="text" value="0"/>	<input type="checkbox"/> System Device Bootup <input type="checkbox"/> Fiber Link Up / Link Down <input type="checkbox"/> Fiber Abnormal Receive Error <input type="checkbox"/> Fiber Abnormal Transmit Error <input type="checkbox"/> Twisted Pair Link Up / Link Down <input type="checkbox"/> Twisted Pair Abnormal Receive Error <input type="checkbox"/> Twisted Pair Abnormal Transmit Error

Apply

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control**
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Password Access Control



Old Password

New Password (Password should be less than 20 characters)

Confirm Password

Apply

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN**
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

IEEE 802.1Q VLAN Configuration



VID	VLAN Name	Untag VLAN Ports	Tag VLAN Ports	VLAN Rename	Delete VID
01	default	01,02,03,04,05,06,07,08, 09,10,11,12,13,14,15,16, 17,18,19,20,21,22,23,24, 25,26,27,28,29,30,31,32, 33,34,35,36,37,38,39,40, 41,42,43,44,45,46,47,48, 49,50,51,52		<input type="button" value="Rename"/>	<input type="button" value="Delete VID"/>

VID

VLAN Name (Name should be less than 20 characters)

Port	Select All	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Untag	<input type="button" value="All"/>	<input type="radio"/>																									
Tag	<input type="button" value="All"/>	<input type="radio"/>																									
Not Member	<input type="button" value="All"/>	<input checked="" type="radio"/>																									

Cancel Apply

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Trunking Configuration

Safeguard

ID	Trunking Name	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
01		<input type="checkbox"/>																									
02		<input type="checkbox"/>																									
03		<input type="checkbox"/>																									
04		<input type="checkbox"/>																									
05		<input type="checkbox"/>																									
06		<input type="checkbox"/>																									

ID	Trunking Name	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
01		<input type="checkbox"/>																									
02		<input type="checkbox"/>																									
03		<input type="checkbox"/>																									
04		<input type="checkbox"/>																									
05		<input type="checkbox"/>																									
06		<input type="checkbox"/>																									

Note : Trunking name should be less than 20 characters.

Apply

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

IGMP Snooping Configuration

Safeguard

IGMP Snooping Enabled Disabled

IGMP Global Setting

Query Interval (60-600 sec)	<input type="text" value="125"/>	Host Timeout (130-1225 sec)	<input type="text" value="260"/>
Max Response Time (10-25 sec)	<input type="text" value="10"/>	Router Timeout (60-600 sec)	<input type="text" value="125"/>
Robustness Variable (1-255 sec)	<input type="text" value="2"/>	Leave Time (0-25 sec)	<input type="text" value="1"/>
Last Member Query Interval (1-25 sec)	<input type="text" value="1"/>		

Apply

The VLAN Setting of IGMP snooping

VLAN ID	VLAN Name	State	Router Ports Setting	Multicast Entry Table
01	default	Enabled	<input type="button" value="Edit"/>	<input type="button" value="View"/>

Apply

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree**
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

802.1D Spanning Tree Configuration



802.1D Spanning Tree Enabled Disabled

STP Global Setting

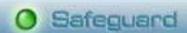
Bridge Priority (0 - 65535 sec) Root Bridge
 Bridge Max Age (6 - 40 sec) Root Port
 Bridge Hello Time (1 - 10 sec) Root Path Cost
 Bridge Forward Delay (4 - 30 sec)

From Port To Port Path Cost(1- 65535) Priority(0 - 255)

Port	Path Cost	Priority	State
01	19	128	Forward
02	19	128	Forward
03	19	128	Forward
04	19	128	Forward
05	19	128	Forward
06	19	128	Forward
07	19	128	Forward
08	19	128	Forward

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring**
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Port Mirroring Configuration



Port Mirroring Enabled Disabled

Target Port

Source Port Selection

Sniffer Mode	Select All	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	
TX	All																											
RX	All																											
Both	All																											
None	All																											

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

IEEE 802.1p Default Priority



From Port: To Port: Priority:

Port	Priority
01	Middle
02	Middle
03	Middle
04	Middle
05	Middle
06	Middle
07	Middle
08	Middle
09	Middle
10	Middle
11	Middle
12	Middle
13	Middle
14	Middle
15	Middle
16	Middle
17	Middle

For ingress untagged packets, the per port "Default Priority" setting 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.

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Safeguard Engine

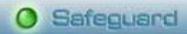


Safeguard Engine: Enabled Disabled

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.

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control**
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Broadcast Storm Control

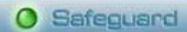


Broadcast Storm Control

Threshold (bytes per second)

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X**
 - 802.1X Setting**
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

802.1X Setting



802.1X Enabled Disabled

802.1X Global Setting

Radius Server IP

Authentication Port (1 - 65535)

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)

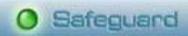
802.1X Port Access Control

From Port To Port Control

Port	Control	Port Status	Session Time	User ID
01	Disable	*	0	*****
02	Disable	*	0	*****
03	Disable	*	0	*****
04	Disable	*	0	*****
05	Disable	*	0	*****

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Static Mac Configuration



Disable Auto Learning excluding Uplink Port On Off

	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
Uplink Port	<input type="checkbox"/>																									
	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Uplink Port	<input type="checkbox"/>																									

Apply

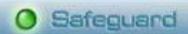
Static Mac Address Setting

ID	Port Status	Mac Address	VID	Delete

Add Mac

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Dynamic Forwarding Table Configuration



Port

Find

ID	Port	Mac Address	VID	Add

Apply

- DES-1252
 - System
 - System Setting
 - Trap Setting
 - Port Setting
 - SNMP Setting
 - Password Access Control
 - Configuration
 - 802.1Q VLAN
 - Trunking
 - IGMP Snooping
 - 802.1D Spanning Tree
 - Port Mirroring
 - QoS
 - 802.1p Default Priority
 - Security
 - Safeguard Engine
 - Broadcast Storm Control
 - 802.1X
 - 802.1X Setting
 - MAC Address Table
 - Static MAC
 - Dynamic Forwarding Table
 - Monitoring
 - Statistics

Dynamic Forwarding Table Configuration

Safeguard

Port

ID	Port	Mac Address	VID	Add
----	------	-------------	-----	-----