1 Product Introduction

Thank you and congratulations on your purchase of D-Link Web Smart Switch Products.

D-Link's next generation Web Smart Ethernet switch series blends plug-and-play simplicity with exceptional value and reliability for small and medium-sized business (SMB) networking. All models are housed in a new style rack-mount metal case with easy-to-view front panel diagnostic LEDs, and provides advance features including four combo 100/1000BASE-X SFP slots for fiber connection, network security, traffic segmentation, QoS and versatile management.

Choices of 16, 24, and 48 ports. Three port densities are available for selection: 16, 24, and 48 Gigabit Ethernet ports. Supporting auto-detection of MDI/MDIX, these switches bring inexpensive and easy Ethernet connection to the desktops. Each switch provides 4 combo SFP slots, which supports both 1000M and 100M fiber connections with appropriate fiber transceivers.

D-Link Green Technology. D-Link Green devices are about providing eco-friendly alternatives without compromising performance. D-Link Green Technology includes a number of innovations to reduce energy consumption on DGS-1210 series such as reducing power when a port does not have a device attached, or adjusting the power usage according to the Ethernet cable connected to it.

Extensive Layer 2 Features. Implemented as complete L2 devices, these switches include functions such as IGMP snooping, port mirroring, Spanning Tree, 802.3ad LACP and Loopback Detection to enhance performance and network resiliency.

Traffic Segmentation and QoS. The switches support 802.1Q VLAN standard tagging to enhance network security and performance. The switches also support 802.1p priority queues, enabling users to run bandwidth-sensitive applications such as streaming multimedia by prioritizing that traffic in network. These functions allow switches to work seamlessly with VLAN and 802.1p traffic in the network. Auto Voice VLAN will automatically place the voice traffic from IP phone to an assigned VLAN with higher priority, so it can be separated from normal data traffic. Asymmetric VLAN is implemented in these switches for a more efficient use of shared resources, such as server or gateway devices.

Network Security. D-Link's innovative Safeguard Engine function protects the switches against traffic flooding caused by virus attacks. Additional features like 802.1X port-based authentication provides access control of the network with external RADIUS servers. ACL is a powerful tool to screen unwanted IP or MAC traffic. Storm Control can help to keep the network from being overwhelmed by abnormal traffic. Port Security is another simple but useful authentication method to maintain the network device integrity.

Versatile Management. The new generation of D-Link Web Smart Switches provides growing businesses with a simple and easy management of their network, using an intuitive SmartConsole utility or a Web-Based management interface that allows administrators to remotely control their network down to the port level. The SmartConsole easily allows customers to discover multiple D-Link web smart switches with the same L2 network segment connected to the user's local PC. With this utility, users do not need to change the IP address of the PC and provide easy initial settings of the smart switches. The switches within the same L2 network segment connected to the user's local PC are displayed on the screen for instant access. It allows extensive switch configuration settings, and basic configuration of discovered devices, such as a password change or firmware upgrade.

Users can also access the switch via TELNET. Some basic tasks can be performed such as changing the Switch IP address, resetting the settings to factory defaults, setting the administrator password, rebooting the Switch, or upgrading the Switch firmware by using the Command Line Interface (CLI).

In addition, users can utilize the SNMP MIB (*Management Information Base*) to poll the switches for information about the status, or send out traps of abnormal events. SNMP support allows users to integrate the switches with other third-party devices for management in an SNMP-enabled environment. D-Link Web Smart Switches also come with the D-View plug-in module that works with D-View 6 SNMP Management Software, and provides easy-to-use graphic interface and facilitates the operation efficiency.

DGS-1210-16

16-Port 10/100/1000Mbps with 4 Combo SFP Slot Web Smart Switch

Front Panel

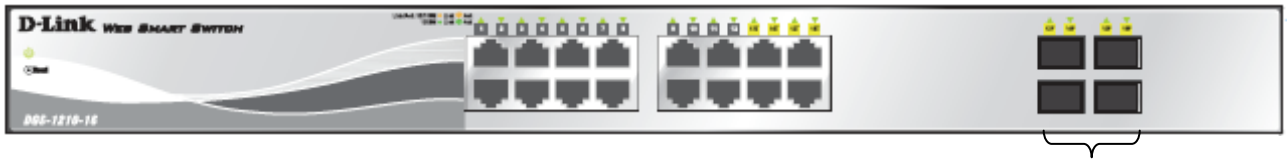

Figure 1 – DGS-1210-16 Front Panel

Power LED : The Power LED lights up when the Switch is connected to a power source.

Port Link/Act/Speed LED (1-12, 13F, 14F, 15F, 16F, 13T, 14T, 15T, 16T): The Link/Act/Speed LED flashes, which indicates a network link through the corresponding port. Blinking indicates that the Switch is either sending or receiving data to the port. When a port has an amber light, this indicates that the port is running on 10M or 100M. When it has a green light it is running on 1000M.

NOTE: On DGS-1210-16, the SFP ports are shared with normal RJ-45 ports 13 to 16. When optical transceiver is inserted to SFP port and link up, the RJ-45 port cannot be used.

Reset: By pressing the Reset button, the Switch will change back to the default configuration and all changes will be lost.

Rear Panel

Figure 2 – DGS-1210-16 Rear Panel

Power: The power port is where to connect the AC power cord.

DGS-1210-24

24-Port 10/100/1000Mbps with 4 Combo SFP Slot Web Smart Switch

Front Panel

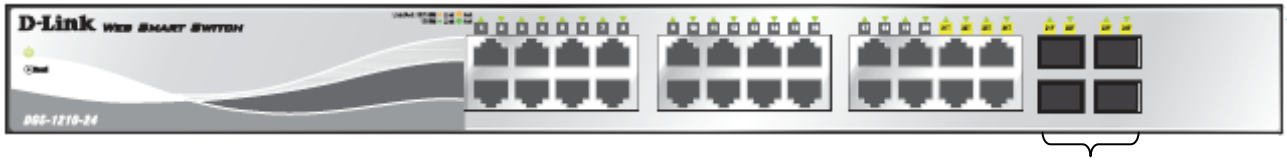

Figure 3 – DGS-1210-24 Front Panel

Power LED : The Power LED lights up when the Switch is connected to a power source.

Port Link/Act/Speed LED (1-20, 21F, 22F, 23F, 24F, 21T, 22T, 23T, 24T): The Link/Act/Speed LED flashes, which indicates a network link through the corresponding port. Blinking indicates that the Switch is either

sending or receiving data to the port. When a port has an amber light, this indicates that the port is running on 10M or 100M. When it has a green light it is running on 1000M.

Reset: Press the Reset button to reset the Switch back to the default settings. All previous changes will be lost.

NOTE: On the DGS-1210-24, the SFP ports are shared with normal RJ-45 ports 49 and 50. When optical transceiver is inserted to SFP port and link up, the RJ-45 port cannot be used.

Rear Panel

Figure 4 – DGS-1210-24 Rear Panel

Power: Connect the supplied AC power cable to this port.

DGS-1210-48

48-Port 10/100/1000Mbps with 4 Combo SFP Slot Web Smart Switch

Front Panel

Figure 5 – DGS-1210-48 Front Panel

Power LED: The Power LED lights up when the Switch is connected to a power source.

Port Link/Act/Speed LED (1-44, 45F, 46F, 47F, 48F, 45T, 46T, 47T, 48T): The Link/Act/Speed LED flashes, which indicates a network link through the corresponding port. Blinking indicates that the Switch is either sending or receiving data to the port. When a port has an amber light, this indicates that the port is running on 10M or 100M. When it has a green light it is running on 1000M.

Fan Err: The Fan Err LED lights red when the fan fails. It is off when all fans work normally.

Reset: Press the Reset button to reset the Switch back to the default settings. All previous changes will be lost.

NOTE: On the DGS-1210-48, the SFP ports are shared with normal RJ-45 ports 49 and 50. When the optical transceiver is inserted to the SFP port and linked up, the RJ-45 port cannot be used.

Rear Panel

Figure 6 – DGS-1210-48 Rear Panel

Power: Connect the supplied AC power cable to this port.