2. Web-based Switch Configuration

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Management Options

The Switch provides multiple access platforms that can be used to configure, manage and monitor networking features available on the Switch. Currently there are three management platforms available and they are described below.

The Command Line Interface (CLI) through the RJ45 Console port or remote Telnet

The Switch can be managed, out-of-band, by using the console port on the front panel of the Switch. Alternatively, the Switch can also be managed, in-band, by using a Telnet connection to any of the LAN ports on the Switch. The command line interface provides complete access to all switch management features.

SNMP-based Management

The Switch can be managed with an SNMP-compatible console program. The Switch supports SNMP version 1.0, version 2.0 and version 3.0. The SNMP agent decodes the incoming SNMP messages and responds to requests with MIB objects stored in the database. The SNMP agent updates the MIB objects to generate statistics and counters.

Web-based Management Interface

After successfully installing the Switch, the user can configure the Switch, monitor the LED panel, and display statistics graphically using a Web browser, such as Microsoft® Internet Explorer, Mozilla Firefox, Safari, or Google Chrome.

Connecting using the Web User Interface

Most software functions of the DGS-1510 Series switches can be managed, configured and monitored via the embedded web-based (HTML) interface. Manage the Switch from remote stations anywhere on the network through a standard web browser. The web browser acts as a universal access tool and can communicate directly with the Switch using the HTTP or HTTPS protocol.

> **NOTE:** The Command Line Interface (CLI) provides the functionality of managing, configuring, and monitoring **all** of the software features that are available on the Switch.

Logging onto the Web Manager

To access the Web User Interface, simply open a standard web browser on the management PC and enter the Switch's default IP address into the address bar of the browser and press the **Enter** key.

NOTE: The default IP address of this switch is **10.90.90.90**, with a subnet mask of **255.0.0.0**.

Figure 2-1 Displays entering the IP address in Internet Explorer

This will open the user authentication window, as seen below.

Figure 2-2 User Authentication window

By default, there is no username or password configured on this switch. When connecting to the Web UI for the first time simply leave the **User Name** and **Password** fields blank and click the **Login** button.

Smart Wizard

After a successfully connecting to the Web User Interface for the first time, the Smart Wizard embedded Web utility will be launched. This wizard will guide the user through basic configuration steps that is essential for first time connection to the Switch.

Step 1 – System IP Information

In this window, the user can configure the IP address assignment method, the static IP address, Netmask and Gateway address.

Figure 2-3 System IP Information window

The fields that can be configured are described below:

Parameter	Description
Static	Select this option to manually configure and use IP address settings on this switch.
DHCP	Select this option to obtain IP address settings from a DHCP server.
IP Address	Enter the IP address of the Switch here.
Netmask	Select the Netmask option here.
Gateway	Enter the default gateway IP address here.

Tick the **Ignore the wizard next time** option to skip the Smart Wizard on the next login.

Click the **Exit** button to discard the changes made, exit the Smart Wizard, and continue to the Web UI.

Click the **Next** button to accept the changes made and continue to the next step.

Step 2 – SNMP Settings

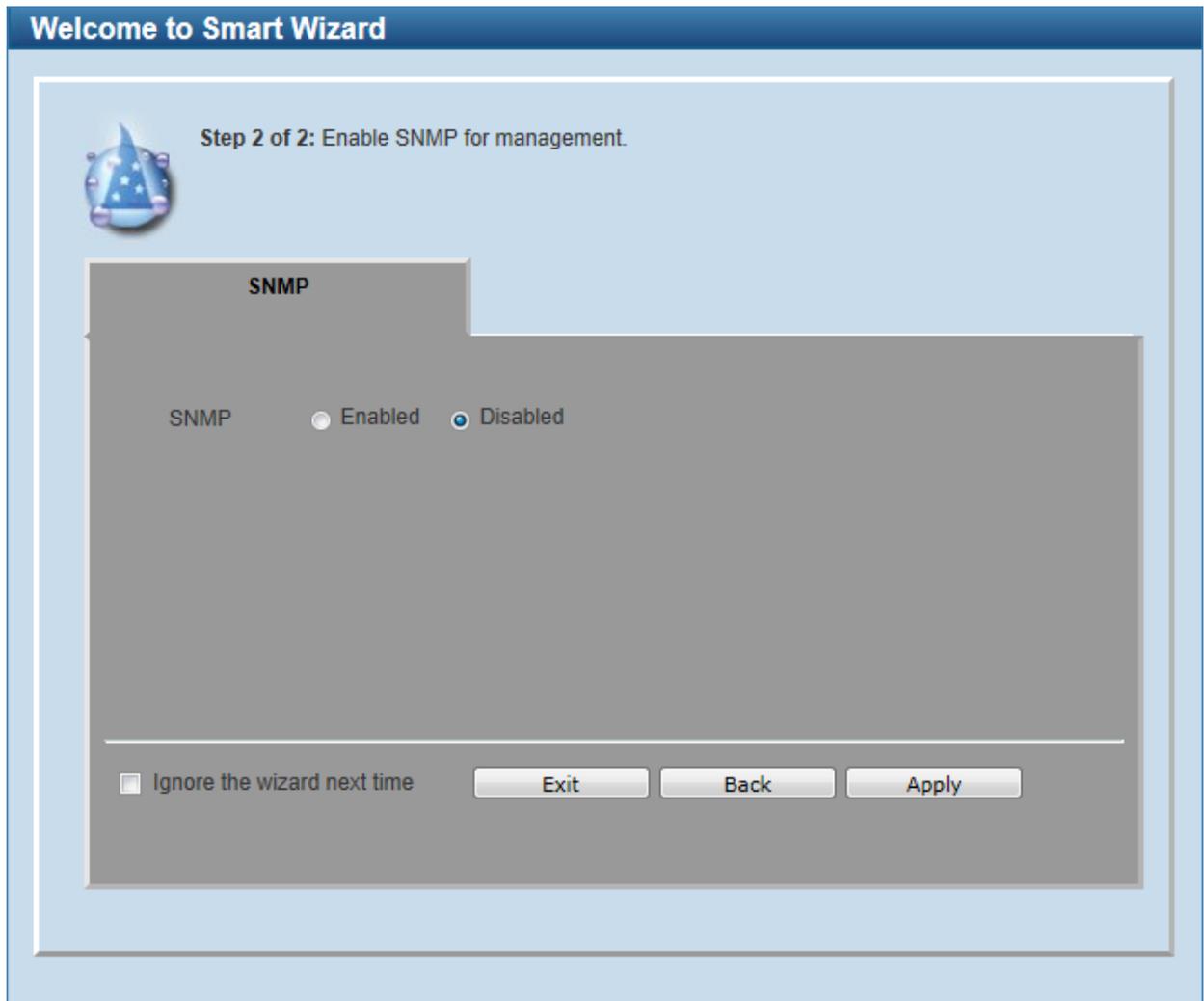In this window, the user can enable or disable the SNMP function.

Figure 2-4 SNMP window

The fields that can be configured are described below:

Parameter	Description
SNMP	Select the **Enabled** option to enable the SNMP function. Select the **Disabled** option to disable the SNMP function.

Tick the **Ignore the wizard next time** option to skip the Smart Wizard on the next login.

Click the **Exit** button to discard the changes made, exit the Smart Wizard, and continue to the Web UI.

Click the **Apply** button to accept the changes made and continue to the Web UI.

Web User Interface (Web UI)

By clicking the **Exit** button in the Smart Wizard, you will enter the Web-based Management interface.

Areas of the User Interface

The figure below shows the user interface. Three distinct areas that divide the user interface, as described in the table.
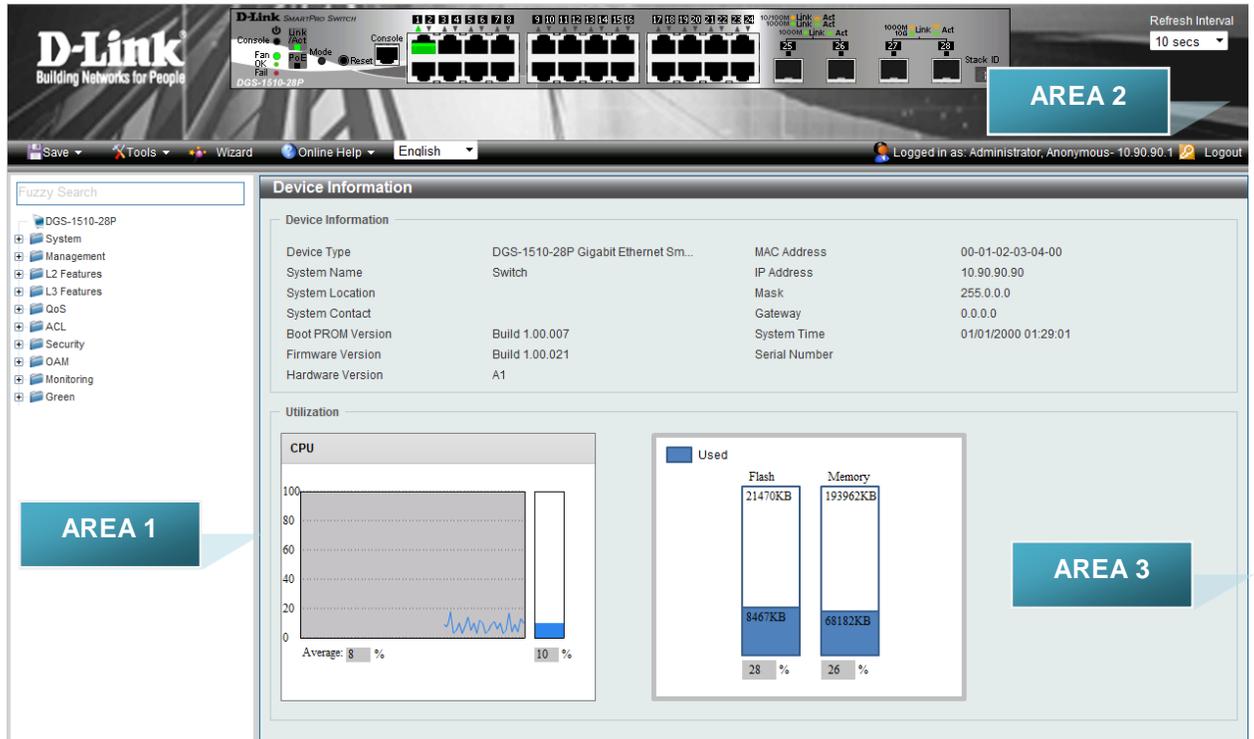
Figure 2-5 Main Web UI window

Area Number	Description
AREA 1	In this area, a folder tree layout is displayed of functions that can be configured using the Web UI. Open folders and click the hyperlinked menu buttons to access each individual page for configuration. The **DGS-1510-28P** link is the default page that will display basic monitoring settings for this switch.
AREA 2	In this area, a graphical near real-time image of the front panel of the Switch is displayed. Some management functions, like **Save** and **Tools** are accessible here.
AREA 3	In this area, the Switch's configuration page can be found, based on the selection made in **Area** 1.