

Quick Installation Guide

8 Port Web Managed Gigabit Ethernet PoE Switch + 4 Giga Combo Ports PoE Budget: 140W

DG-GS1512HP



UP TO 2000Mbps

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1. Introduction

Thank you for choosing a DIGISOL (PoE) WEB Smart Ethernet Switch. This device is designed to be operational right out-of-the-box as a standard bridge. In the default configuration, it will forward packets between connecting devices after powered up. Before you begin installing the switch, make sure you have all of the package contents available, and a PC with a web browser for using web-based system management tools.

Product Overview

The DIGISOL DG-GS1512HP is a WEB Smart PoE Switch with 8 Gigabit PoE + 4 Combo ports respectively.

Package Contents

Before using the product, check that the items listed below are included and in good condition. If any item does not accord with the table, please contact your dealer immediately.

- DG-GS1512HP Web Smart PoE Switch
- Power Cord
- Rack Mount Kit
- Foot Pads
- QIG

Product Features

- Supports up to 8 10/100/1000Mbps Gigabit Ethernet PoE ports and 4 SFP slots
- IEEE 802.3af/at PoE compliant to simplify deployment and installation
- Supports PoE up to 30W per port with 140W total power budget
- Automatically detects powered devices (PD) & power consumption levels
- IEEE 802.1Q VLAN allows network segmentation to enhance performance and security
- Supports Access Control List (ACL)
- Switch capacity: 24Gbps
- Forwarding rate: 17.86Mpps
- Supports IGMP Snooping V1 / V2 / V3
- 8K MAC address table and 10K jumbo frames
- 19-inch rack-mountable metal case

Product Components Ports

The following view applies to DG-GS1512HP

Front View



Name	Description
10/100/1000Mbps RJ-45 ports (1-12)	Designed to connect to network devices with a bandwidth of 10Mbps, 100Mbps or 1000Mbps. Each has a corresponding 10/100/1000Mbps LED.
SFP ports (SFP1, SFP2, SFP3, and SFP4)	Designed to install SFP modules and connect to network devices with a bandwidth of 1000Mbps. Each has a corresponding 1000Mbps LED.

Rear View



Name	Description
AC Power In	Supports AC 100 – 240V, 50-60Hz

LED Indicators

The following view applies to DG-GS1512HP.

Name	Description
System	Off: System not ready On: System ready
Power	Off: Power off On: Power on
Port LED	LINK/ACT bi-color LED: Off: port disconnected or link fail Green on: 1000Mbps connected, PoE power output on Amber on: 10/100Mbps connected
SFP LED	Off: port disconnected or link fail Green on: 1000Mbps connected

2. Installation

This chapter describes how to install and connect your Switch. Read the following topics and perform the procedures in the correct order. Incorrect installation may cause damage to the product.

Mounting the Switch

There are two ways to physically set up the switch.

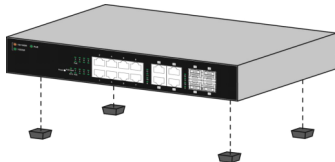
- Place the switch on a flat surface. To place the switch on a desktop, install the four rubber feet (included) on the bottom of the switch.
- Mount the switch in a standard rack (1 rack unit high).

Placements Tips

- Ambient Temperature - To prevent the switch from overheating, do not operate it in an area that exceeds an ambient temperature of 122°F (50°C).
- Air Flow - Be sure that there is adequate air flow around the switch.
- Mechanical Loading - Be sure that the switch is level and stable to avoid any hazardous conditions.
- Circuit Overloading - Adding the switch to the power outlet must not overload that circuit.

Follow these guidelines to install the switch securely.

1. Put the switch in a stable place such as a desktop, to avoid it falling.
2. Ensure the switch works in the proper AC input range and matches the voltage labeled.
3. Ensure there is proper heat dissipation from and adequate ventilation around the switch.
4. Ensure the switch's location can support the weight of the switch and its accessories.



Rack Mounting

You can mount the switch in any standard size, 19-inch (about 48 cm) wide rack. The switch requires 1 rack unit (RU) of space, which is 1.75 inches (44.45 mm) high.



For stability, load the rack from the bottom to the top, with the heaviest devices on the bottom. A top-heavy rack is likely to be unstable and may tip over.

When mounting smaller switch products into a standard 19-inch rack, a pair of extension brackets (sometimes referred to as ears) are needed to adapt the switch to the rack size.

These extension brackets are mounted on the switch using the screws provided in the kit, and have two holes that are used to then screw the switch into the rack.

An example of one type of these extension brackets is shown in the following figure.

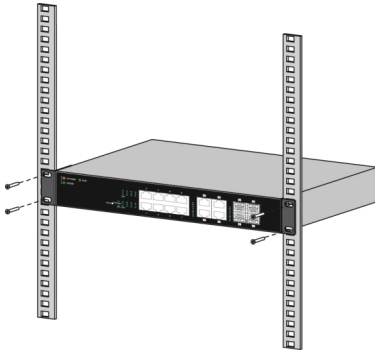
A common problem that occurs during rack mounting is the distance between the screw holes on the rack. Some racks are made with a uniform distance between all of the holes, and others have the holes organized into groups (see photo on the next page for an example).

When organized into groups, the switch must be placed in the rack so that the holes in the extension brackets line up correctly.

1. Align the mounting brackets with the mounting holes on the switch's side panels and secure the brackets with the screws provided.



2. Secure the switch on the equipment rack with the screws provided.



3. Login

Connecting to the Network

To connect the switch to the network:

1. Connect an Ethernet cable to the Ethernet port of a computer
2. Connect the other end of the Ethernet cable to one of the numbered Ethernet ports of the switch. The LED of the port lights if the device connected is active.
3. Repeat Step 1 and Step 2 for each device to connect to the switch.

We strongly recommend using CAT-5E or better cable to connect network devices. When connecting network devices, do not exceed the maximum cabling distance of 100 meters (328 feet). It can take up to one minute for attached devices or the LAN to be operational after it is connected. This is normal behavior.

Connect the switch to end nodes using a standard Cat 5/5e Ethernet cable (UTP/STP) to connect the switch to end nodes as shown in the illustration below.

Switch ports will automatically adjust to the characteristics (MDI/MDI-X, speed, duplex) of the device to which the switch is connected.



Starting the Web-based Configuration Utility

This section describes how to navigate the web-based switch configuration utility. Be sure to disable any pop-up blocker.

Browser Restrictions

- If you are using older versions of Internet Explorer, you cannot directly use an IPv6 address to access the device. You can, however, use the DNS (Domain Name System) server to create a domain name that contains the IPv6 address, and then use that domain name in the address bar in place of the IPv6 address.
- If you have multiple IPv6 interfaces on your management station, use the IPv6 global address instead of the IPv6 link local address to access the device from your browser.

Launching the Configuration Utility

To open the web-based configuration utility:

4. Open a Web browser.
5. Enter the IP address of the device you are configuring in the address bar on the browser (factory default IP address is 192.168.1.10) and then press Enter.

When the device is using the factory default IP address, its power LED flashes continuously. When the device is using a DHCP assigned IP address or an administrator-configured static IP address, the power LED is lit a solid color. Your computer's IP address must be in the same subnet as the switch. For example, if the switch is using the factory default IP address, your computer's IP address can be in the following range: 192.168.1.x (whereas x is a number from 2 to 254).

After a successful connection, the login window displays.



The image shows a web-based login interface for DIGISOL. The top section is a dark red banner containing the 'DIGISOL' logo in white and the text 'User Login' in the top right corner. Below this banner is a light pink area with two input fields. The first field is labeled 'Username:' and the second is labeled 'Password:'. At the bottom center of the pink area is a small button labeled 'LOGIN'.

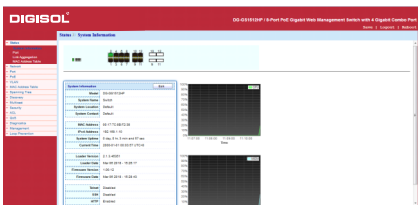
Logging In

The default username is admin and the default password is admin. The first time that you log in with the default username and password, you are required to enter a new password.

To log in to the device configuration utility:

6. Enter the default user ID (admin) and the default password (admin).
7. If this is the first time that you logged on with the default user ID (admin) and the default password (admin) it is recommended that you change your password immediately.

When the login attempt is successful, the **System Information** window displays.



If you entered an incorrect username or password, an error message appears and the Login page remains displayed on the window. If you are having problems logging in, please see the Launching the Configuration Utility section in the Administration Guide for additional information.

Logging Out

By default, the application logs out after ten minutes of inactivity. To logout, click Logout in the top right corner of any page. The system logs out of the device.

When a timeout occurs or you intentionally log out of the system, a message appears and the Login page appears, with a message indicating the logged-out state. After you log in, the application returns to the initial page.

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WARRANTY

This Product is covered under DIGISOL Warranty program backed by DIGISOL Service Center. To avail this Warranty offer, customer needs to contact DIGISOL's Technical Assistance Center for the same. You may be asked to provide proof of purchase of product for warranty claim of defective product. Please refer website www.digisol.com for the detailed support terms & conditions and support process.

Warranty Policy

1. **Hardware Warranty** : Hardware warranty period shall be limited up to Three years. External Power Adapter shall carry One year warranty only against manufacturing defects. Any repair or replacement will be rendered by DIGISOL at its Service Center only.
2. **Software Warranty** : DIGISOL issues this Limited Software Warranty that the software portion of the product ("Software") will substantially conform to DIGISOL's then current functional specifications for the software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of one year ("Software Warranty period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation.
3. **Governing Law**: This warranty shall be governed by Indian Laws.
4. Warranty shall subject to the terms & conditions specified in the DIGISOL Product Warranty policy displayed on www.digisol.com
5. To avail and activate warranty for your product.
Kindly register your product by calling us @1800 209 3444

DIGICARE



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