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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: DG-GS1512HP: 56Gbps, Forwarding rate: 41.6Mpps
- 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.

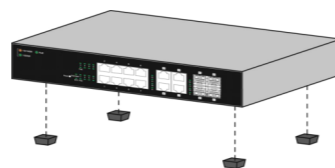
- Place the switch on a flat surface. To place the switch on a desktop, install the four rubber feet (included) on the bottom of the switch.
- Mount the switch in a standard rack (1 rack unit high).

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.

