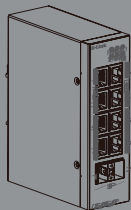




Quick Installation Guide Industrial Ethernet Switch

This document will guide you through the basic installation process for your new D-Link Industrial Ethernet Switch.

DIS-100G-10P



Documentation is also available
on the D-Link website

Before You Begin

The DIS-100G-10P unmanaged Industrial Gigabit Ethernet Switch solutions are designed for supporting standard industrial applications without complex setup to make the network truly plug-and-play.

Package Contents

This package should include the following items:

- DIS-100G-10P switch
- DIN rail mounting kit
- DC power terminal block
- Quick installation guide
- SFP Connector Cover
- Rubber feet

If any of the above items are damaged or missing, please contact your local D-Link reseller.

Hardware Overview

LED Indicators

DIS-100G-10P

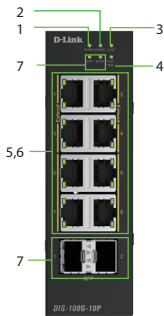


Figure 1

#	LED	Status	Description
1	PWR1	Solid Blue	Device Power On
		Light off	Device Power Off
2	PWR2	Solid Blue	Device Power On
		Light off	Device Power Off
3	Alarm	Solid Red	Only PWR1 or PWR2 connected with power source.
		Light off	PWR1 and PWR2 both connected with power source.
4	PoE Max	Solid Red	PoE budge great than 200W
		Light off	PoE budge less than 200W
5	LED Per Gigabit Port 1~8	Solid Green	When there is a secure 10/100/1000Mbps connection at the port.
		Blinking Green	When there is reception or transmission occurring at the port.
		Light off	No link.
6	LED Per PoE Port 1~8	Solid Amber	PD device insert and power feeding
		Light off	No link.
7	LED Per SFP Port 1~2	Solid Blue	When there is a secure 100/1000Mbps connection at the port.
		Blinking Blue	When there is reception or transmission occurring at the port.
		Light off	No link.

Hardware Installation

Before You Begin

Observe the following precautions to help prevent shutdowns, equipment failures, and personal injury:

- Install the DIS-100G-10P in a cool and dry place. Refer to the technical specifications in the user manual for the acceptable operating temperature and humidity ranges.
 - Leave at least 10 cm of space at the top, rear and bottom of the switch for ventilation.
 - Visually inspect the power connector and make sure that it is fully secured to the power cord.
 - Do not stack any devices on top of the switch.
 - To reduce the risk of electric shock, the PoE ports on this product must not be connected to cabling that is routed outside the building where this device is located.
 - Product shall be used with Class 1 laser device modules certified by CDRH.
- It is also recommended that power and grounding requirements are investigated before mounting the DIS-100G-10P, as access to the switch may be restricted once it has been installed.

Caution! Hot surface! Do not touch!
PRUDENCE! Surface chaude! Ne pas toucher!

Top Panel Connectors

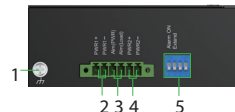


Figure 2

#	Item	Description
1	Switch ground	This is used to connect the switch to ground.
2	Terminal block(PWR1)	This is used to connect the switch to external power sources.
3	Terminal block(Alarm port)	This is used to connect the alarm device.
4	Terminal block(PWR2)	This is used to connect the switch to external power sources.
	DIP Switch (1)	Alarm Enable
5	DIP Switch (2)	PoE Extend Enable (Port 1~4)
	DIP Switch (3, 4)	Reserved

Mounting the Switch on a DIN Rail

Before beginning either mounting or removing the DIS-100G-10P from a DIN rail, please ensure that the DIN rail is level and that the DIN rail mounting kit is installed correctly on the DIS-100G-10P.

Use the following instructions to install the DIS-100G-10P on a DIN rail:

Use the following instructions to remove the DIS-100G-10P from a DIN rail:

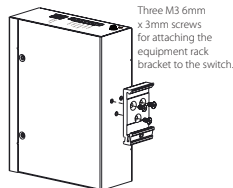


Figure 3

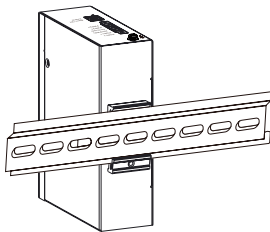


Figure 4

Grounding the Switch

To use the DIS-100G-10P safely, it needs to be grounded. Please complete these steps before powering-on the switch.

Note:

The grounding screw of the chassis must be properly connected to the protective earthing of building in compliance with local regulatory guidelines by using a green-and-yellow grounding cable with the minimum wire gauge 0.75 mm².

Use the following instructions to ground the DIS-100G-10P:

1. Remove the grounding screw from the top of the DIS-100G-10P and place the grounding cable lug ring on top of the grounding screw opening.
2. Insert the grounding screw back into the grounding screw opening and use a screwdriver to tighten the grounding screw, securing the grounding cable to the DIS-100G-10P.
3. Attach the terminal lug ring at the other end of the grounding cable to an appropriate grounding source.
4. Verify that the connection between the grounding connector on the DIS-100G-10P and the grounding source is secure.

Connecting to a Power Source

Using the Terminal Connections

Before proceeding, ensure that all power sources have been disconnected from the DIS-100G-10P, and that the power source you are wiring to the DIS-100G-10P is also disconnected.

Use the following instructions to power the DIS-100G-10P using the terminal connections:

Before continuing, consult the diagram below to decide which wires from the power source need to connect to which contacts on the terminal block. Note that two power sources can be used; one inserted into PWR1+/PWR1- and the other inserted into PWR2+/PWR2-. If you only wish to use one power source, insert the wires into PWR1+/PWR1-. This diagram is also provided on the DIS-100G-10P:

Note:

1. The equipment may be power supplied from the approved external d.c. power sources evaluated according to IEC 60950-1 or IEC 62368-1, and relevant safety information for the external d.c. power sources shall be "Rated output: 44-57Vdc, 7.5A (For DC power source input)" and "Tma: min 75 °C".
2. The terminal block wiring must be secured by an authorized technician. Recommended wire specifications: 16-18 AWG solid or stranded copper (Cu) wire, with a tightening torque of 3.5 lb-in.

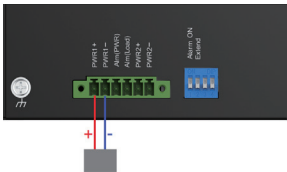


Figure 5

Additional Information

You can refer to the user manual or visit <http://www.dlink.com/resources/business> for more support.



Online Support

If there are any issues that are not in the user manual, please visit <http://www.dlink.com/support> which will direct you to your appropriate local D-Link support website.



Warranty Information

Visit <http://www.dlink.com/warranty> to view the D-Link Limited Lifetime Warranty information.



Please contact the authorized distributor of D-Link for related accessories (Power adapter, Cable Gland, Cable, etc.) for purchase and installation.

Regulatory Statements

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Non-modification Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada Statement:

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Japan Voluntary Control Council for Interference Statement

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

警告:

为避免電磁干擾，本產品不應安裝或使用於住宅環境。

Warning:

To avoid electromagnetic interference, this product should not be installed or used in residential environments.

CE EMI Class A Warning

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference. Suitable for installation in Information Technology Rooms in accordance with Article 645 of the National Electrical Code and NFPA 75. Peut être installé dans des salles de matériel de traitement de l'information conformément à l'article 645 du National Electrical Code et à la NFPA 75

The full text of the EU declaration of conformity is available at the following internet address: www.dlink.com/cedoc