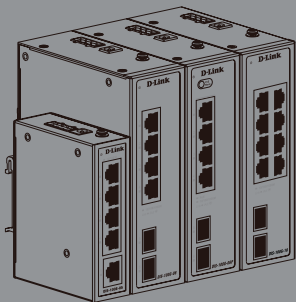




Quick Installation Guide Industrial Ethernet Switch

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

DIS-100E/G Series



Documentation is also available on the D-Link website

Before You Begin

The DIS-100E-05, DIS-100G-06, DIS-100G-06P and DIS-100G-10 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-100E/G switch
- DIN rail mounting kit
- DC power terminal block
- Quick installation guide
- SFP Connector Cover (Except DIS-100E-05)

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

Hardware Overview

LED Indicators

DIS-100E-05

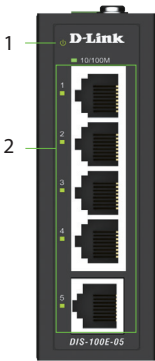


Figure 1

#	LED	Status	Description
1	Power	Solid Green	Device power on
		Light Off	Device power off
		Solid Green	Secure 10/100 Mbps connectivity
		Blinking Green	Transmitting/receiving data
2	Port 1 - 5	Light Off	No connectivity
		Light Off	No connectivity

DIS-100G-06

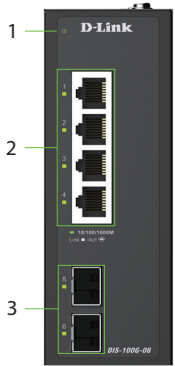


Figure 2

#	LED	Status	Description
1	Power	Solid Green	Device power on
		Light Off	Device power off
2	Port 1 - 4	Solid Green	Secure 10/100/1000 Mbps connectivity
		Blinking Green	Transmitting/receiving data
		Light Off	No connectivity
		Light Off	No connectivity
3	Port 5 - 6	Solid Green	Secure 1000 Mbps connectivity
		Blinking Green	Transmitting/receiving data
		Light Off	No connectivity
		Light Off	No connectivity

DIS-100G-06P

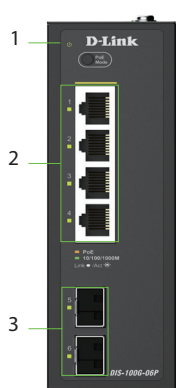


Figure 3

#	LED	Status	Description
1	Power	Solid Green	Device power on
		Light Off	Device power off
2	Port 1 - 4	Solid Green	Secure 10/100/1000 Mbps connectivity
		Blinking Green	Transmitting/receiving data
		Solid Amber	Transmitting power to powered device (PD)
		Light Off	No connectivity
3	Port 5 - 6	Solid Green	Secure 1000 Mbps connectivity
		Blinking Green	Transmitting/receiving data
		Light Off	No connectivity

DIS-100G-10

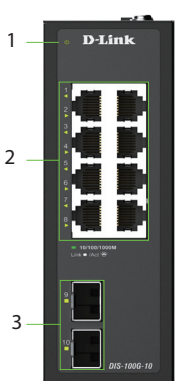


Figure 4

#	LED	Status	Description
1	Power	Solid Green	Device power on
		Light Off	Device power off
2	Port 1 - 8	Solid Green	Secure 10/100/1000 Mbps connectivity
		Blinking Green	Transmitting/receiving data
		Light Off	No connectivity
		Light Off	No connectivity
3	Port 9 - 10	Solid Green	Secure 1000 Mbps connectivity
		Blinking Green	Transmitting/receiving data
		Light Off	No connectivity

Top Panel Connectors

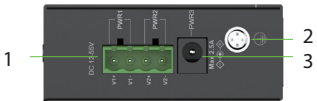


Figure 5

#	Connector	Description
1	Terminal Block	Input Used to connect the switch to external power adapter
2	Switch Ground	Used to ground the switch
3	Power Input	Input Used to connect the switch to external power adapter. This only for system. Doesn't support PoE function.

Hardware Installation

Before You Begin

- Observe the following precautions to help prevent shutdowns, equipment failures, and personal injury:
- Install the DIS-100E/G 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.

It is also recommended that power and grounding requirements are investigated before mounting the DIS-100E/G, 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!

Mounting the Switch on a DIN Rail

Before beginning either mounting or removing the DIS-100E/G 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-100E/G.

Use the following instructions to install the DIS-100E/G on a DIN rail:

Use the following instructions to remove the DIS-100E/G from a DIN rail:

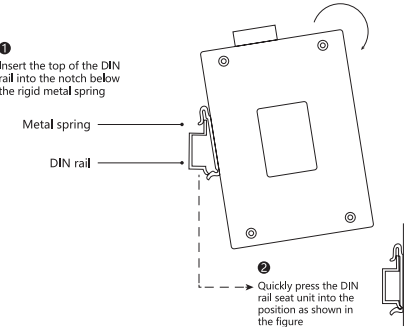


Figure 6

Grounding the Switch

To use the DIS-100E/G 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-100E/G:

1. Remove the grounding screw from the top of the DIS-100E/G 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-100E/G.
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-100E/G and the grounding source is secure.

Connecting to a Power Source

The DIS-100E/G can be powered using a power adapter (optional) or by using the in-built terminal connector. This allows dual power inputs, using wires from the power source(s) screwed-in to the terminal connections.

- Note:**
1. This unit is supplied by an UL Listed power supply suitable for used at Tma 40 degree C and operated altitude at minimum 2000 m whose output meets PS2, and is rated 12~55 Vdc, 2.5 A.
 2. The terminal block wiring must be secured by an authorized technician. Recommended wire specifications: 12~26 AWG solid or stranded copper (Cu) wire, with a tightening torque of 3.5 lb-in.

Using the Power Adapter (Optional)

Use the following instructions to power the DIS-100E/G using the power adapter (optional):

1. Connect the supplied power adapter to the power connector on the back of the DIS-100E/G. Connect the other end of the power adapter to a mains power source.
2. Power adapter only for system use.

Using the Terminal Connections

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

Use the following instructions to power the DIS-100E/G 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 V1-/V1+ and the other inserted into V2-/V2+. If you only wish to use one power source, insert the wires into V1-/V1+ (PWR1). This diagram is also provided on the DIS-100E/G:

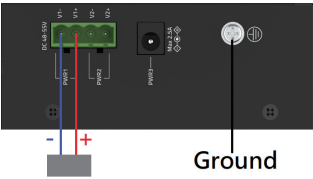


Figure 7

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:

為避免電磁干擾，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