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8-Port PoE+ Gigabit Ethernet Switch with 2 SFP Connections - Managed

IES101GP2SFW



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For the latest information, technical specifications, and support for this product, please visit www.StarTech.com/IES101GP2SFW.

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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.

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.

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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.

CAN ICES-3 (A)/NMB-3(A)

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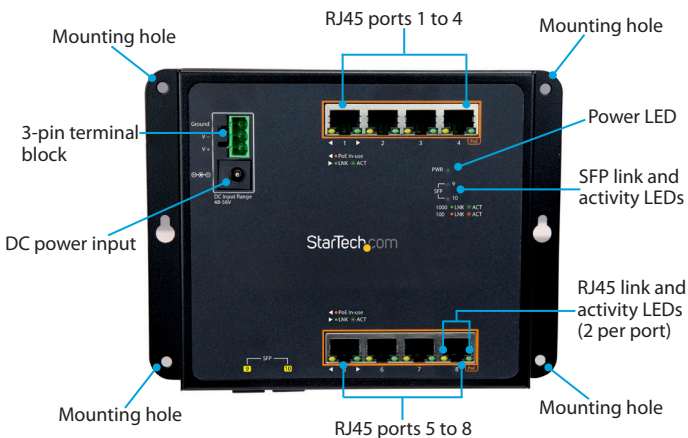
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Introduction

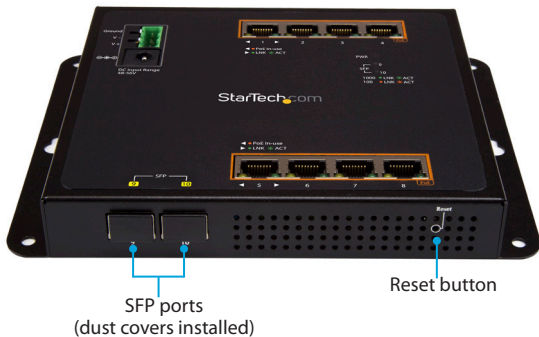
Use the IES101GP2SFW to add up to 10 GbE devices to your network. The IES101GP2SFW features eight RJ45 ports, two SFP connections, and management support. All eight of the RJ45 ports on this network switch supports Power over Ethernet plus up to 36 watts on each port.

Product diagram

Front view



Bottom view



Package contents

- 1 x network switch
- 1 x terminal block connector
- 4 x screw anchors
- 4 x screws
- 4 x attaching pins
- 4 x locking pins
- 4 x washers
- 4 x magnets
- 1 x DIN rail
- 3 x DIN-rail screws
- 8 x RJ45 dust caps
- 2 x SFP dust caps (ship installed)
- 1 x quick-start guide

Requirements

- Ethernet port connection
- RJ45 network cables
- PoE powered devices (optional)
- SFP transceivers

This network switch is OS independent and doesn't require any additional drivers or software.

Requirements are subject to change. For the latest requirements, please visit www.StarTech.com/IES101GP2SFW.

About the LED indicators

This network switch features eight **RJ45 link and activity LEDs**, a **SFP link and activity LEDs** for the two SFP ports, and a **power LED**.

For more information about what the LED indicators signify, see the table below.

LED	Behavior	Significance
LED indicator on the left side of the RJ45 ports	Illuminated yellow	Port is providing DC in-line power
	Not illuminated	Connected device is not a PoE powered device
LED indicator on the right side of the RJ45 ports	Illuminated green	Link was successfully established
	Blinking green	Data is being transferred
SFP link and activity LED indicators	Illuminated yellow	Link was successfully established
	Blinking yellow	Data is being transferred at 100 Mbps
	Illuminated green	Link was successfully established
	Blinking green	Data is being transferred at 1000 Mbps
Power LED indicator	Illuminated	Switch is receiving power

Insert an SFP transceiver into the switch

Inserting an SFP transceiver into the network switch is optional and isn't required to use the switch.

You don't need to turn off the network switch before you can plug in and remove SFP transceivers from the network switch.

1. Insert an SFP transceiver into one of the **SFP ports** on the network switch.
2. Connect an SFP cable to the SFP transceiver.
3. Check the **SFP link and activity LEDs** on the network switch and make sure that it's illuminated to indicate that the SFP transceiver was properly inserted.

To remove an SFP transceiver, check the **SFP link and activity LEDs** to make sure that there isn't any network activity in progress. Remove the SFP cable from the transceiver. Lift up the lever on the transceiver and gently pull it out of the **SFP port**.

Wire the power inputs

You can use either an external power adapter or the terminal block to power the network switch. Alternatively, you can connect both an external power adapter and the terminal block to create a redundant power input.

You should use wire ranging in size of 12 to 24 AWG.

Caution! Make sure that you ground the enclosure before you install the terminal block connector into the network switch.

1. Insert the grounding wire into the **Ground** port on the terminal block, and tighten the wire clamp screws.
2. Insert the positive DC power wire into the **V+** port on the terminal block connector, and tighten the wire clamp screws.
3. Insert the negative DC power wire into the **V-** port on the terminal block connector, and tighten the wire clamp screws.
4. Insert the terminal block connector into the **3-pin terminal block** on the network switch.

Reboot the network switch

The **Reset button** on the network switch is designed to reboot the network switch without turning off and turning on the power.

- To reboot the network switch, press the **Reset button**.

Reset to the default factory settings

You can use the **Reset button** to reset the network switch to the following default factory settings:

Default user name: admin

Default password: admin

Default IP address: 192.168.0.100

Subnet mask: 255.255.255.0

Default gateway: 192.168.0.254

- To reset to the default factory settings, press and hold the **Reset button** for more than 5 seconds.

When you press the **Reset button**, the **port LED indicators** illuminate. When the LEDs are no longer illuminated, the reset sequence is complete.

Installation

Install the network switch onto a wall

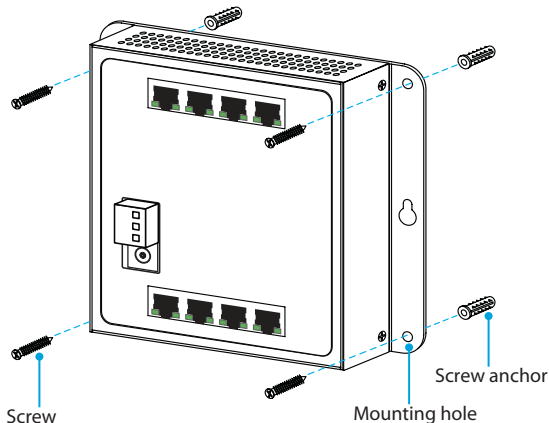
The mounting holes on the network switch are 8 mm in diameter, and the distance between the two holes is 163 mm.

1. Hold the network switch against the wall in the area that you want to install it, and use a pencil to trace the location of the four **mounting holes** onto the wall.
2. Use the **mounting holes** that you traced on the wall as a template and drill holes in the wall.
3. Insert the four **screw anchors** into the holes.

Note: Make sure that the **screw anchors** are flush against the wall.

4. Place the network switch against the wall and insert the four **screws** through the **mounting holes** on the switch and into the **screw anchors**. (figure 1)
5. Tighten the **screws**.
6. To power the switch, connect an external power adapter, wire the power inputs, or do both.
7. Connect RJ45 cables to the **RJ45 ports** on the network switch.
8. If necessary, insert SFP transceivers into the **SFP ports** on the network switch.

figure 1



*actual product may vary from illustration

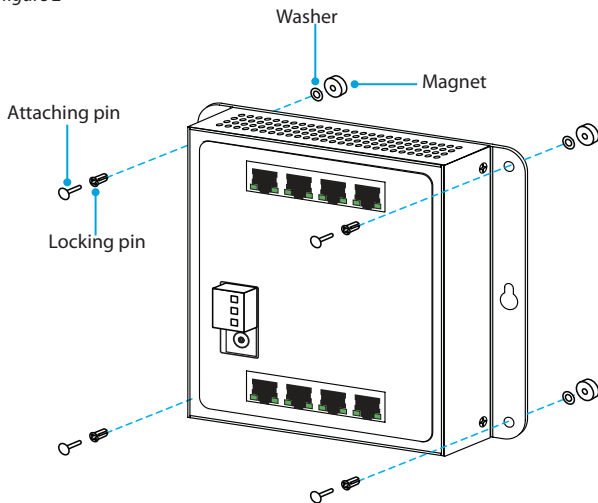
Install the switch onto a magnetic surface

1. Push each of the **attaching pins** into a **locking pin**.
2. Insert the **attaching** and **locking pins** into one of the **mounting holes** on the network switch, through a **washer**, and into a **magnet**.

Note: To prevent the magnets from becoming loose, make sure that you position the magnet so that the flat side is against the network switch.

3. Repeat step 2 for all of the **mounting holes** on the network switch. (*figure 2*)
4. Attach the network switch to a magnetic surface.
5. To power the switch, connect an external power adapter, wire the power inputs, or do both.
6. Connect RJ45 cables to the **RJ45 ports** on the enclosure.
7. If necessary, insert SFP transceivers into the **SFP ports** on the network switch.

figure 2

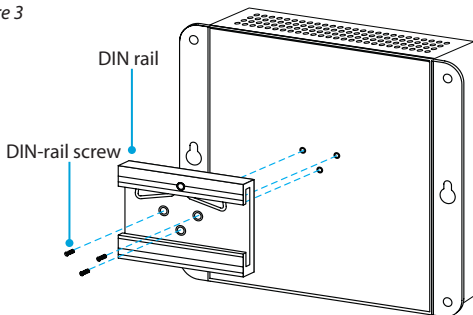


*actual product may vary from illustration

Mount the switch onto a DIN rail

1. With the flat side of the **DIN rail** positioned against the network switch, line up the holes on the **DIN rail** with the holes on the switch.
2. Insert the **DIN-rail screws** through the **DIN rail** and into the network switch. (*figure 3*)
3. Tighten the screws.

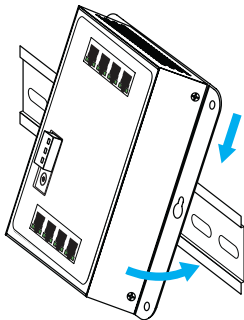
figure 3



*actual product may vary from illustration

4. Hook the **DIN rail** onto the top of the track, and push it against the track. (*figure 4*)
5. To power the switch, connect an external power adapter, wire the power inputs, or do both.
6. Connect the **RJ45** cables to the **RJ45 ports** on the enclosure.
7. If necessary, insert **SFP** transceivers into the **SFP ports** on the network switch.

figure 4



Technical support

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Warranty information

This product is backed by a two-year warranty.

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