5 Port Unmanaged Industrial-Grade Switch 10/100/1000 Mbps + 2 Open SFP & DIN Input
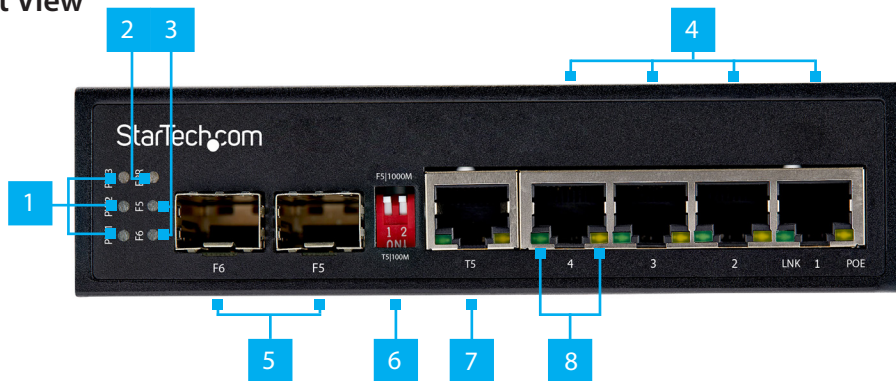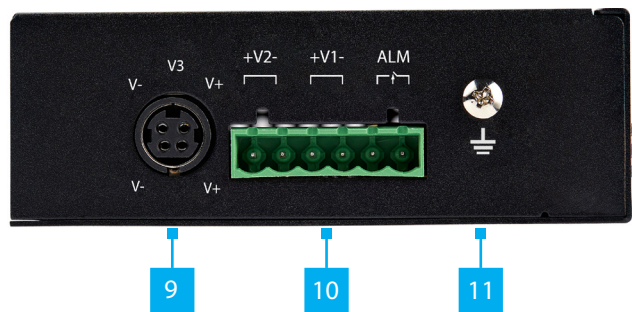
Product Diagram (IES1G52UPDIN)

Front View

Side View

Component		Function
1	Power (PW) LED Indicators	• Color - Green • DIN P3 (top), Terminal P2 (middle), Terminal P1 (bottom) • On - **PW1/2/3** is connected • Off - **PW1/2/3** is not connected
2	RLY LED Indicator	• Color - Amber • On - **Alarm Relay** short • Off - **Alarm Relay** open
3	F5/6 Port LED Indicators	• Color - Green • F5 (top), F6 (bottom) • On - **SFP** link/connection is detected • Off - **SFP** link/connection is not detected • Flashing - **SFP** is active

4	PoE Ports	• Connect any **Network Device** to provide an **Ethernet Connection** to up to 4 **Network Devices** • Provide a **Power over Ethernet** (**PoE**) **Connection** to 4 **Devices** • Maximum **PoE** power budget is 30W per port up to a total overall power budget of 126W
5	SFP Slots F6 (Left) and F5 (Right)	• Supports **100/1000Base-X SFP Transceiver Modules**
6	DIP Switches	• Enable **SFP Slot F5** or **T5 Network Port**
7	Non-PoE Port	• Provide an **Ethernet Connection** to one **Network Device** • Connect using a **Fiber** or **Copper Network Cable**
8	PoE Port LED Indicators	• Indicates the link and **PoE Powered Device (PD)** status **LNK(Green)** • On - Network connection detected • Off - Network connection not detected **PoE (Amber)** • On - **PoE PD** is detected • Off - **PoE PD** is not detected
9	DIN Power Port	• Connect a **DIN Connector Terminated Power Supply**
10	Terminal Block Power Input Port	• Provides power to the **PoE Ports** • Supported power input voltage range is 48-56V
11	Grounding Screw	• Attach a **Grounding Wire** to protect **Network Equipment**

Requirements

For the latest requirements, please visit www.startech.com/IES1G52UPDIN.

• DC Power Supply x (up to) 2
• (Optional) DIN Connector Terminated Power Supply x 1
• PoE Powered Device x (up to) 4
• RJ45 Terminated UTP/STP Cat 5e (or better) Network Cable x (up to) 5
• MSA-Compliant 100/1000Base-X SFP Transceiver Module x (up to) 2
• Fiber Cable x (up to) 2
• Earth Ground Connection x 1

- Grounding Wire x 1
- (Optional - for power) Flat Head Screwdriver x 1
- (Optional - for mounting) #2 Phillips Head Screwdriver x 1
- (Optional - for mounting) Screws for Wall Mounting x 2

Installation

Grounding the Switch

Connect a **Grounding Wire** to the **Grounding Point** on the **Switch** and to the **Earth Ground Connection**.

Connect the Redundant Power Sources

Terminal Block

Connecting and installing the **Terminal Block** must be completed by a licensed Electrician.

> *Notes: Make sure that you turn off the power source before connecting the power wire to the **Terminal Block**.*
>
> *Do not exceed the recommend voltage as it may result in personal or product damage.*
>
> *This unit includes an additional **24V@1A Relay Circuit**. When two **Terminal Power Sources** are connected the **Relay** stays in **Open Mode**. If only one **Power Source** is connects the **Relay** switches to **Short Mode**.*

1. Connect the **Power Wires** from a **DC Power Source (48 - 56V DC)** or the provided **Barrel Power Connector Adapter** to the **Terminal Block Connectors** on the **Switch**. The terminals are marked on the exterior of the **Switch** (connect the **Positive Wire** to **V+** and the **Negative Wire** to **V-**).

   - Secure the **Wires** by tightening the **Screws** in the **Terminal Block** with a **Flat Head Screwdriver**

2. (Optional) Repeat step 1 to add a redundant **Power Source**.

DIN Power

Connect a **DIN Connector Terminated Power Supply** to an available **Power Source** and to the **DIN Power Port** on the **Switch**.

Power Pinout Diagram
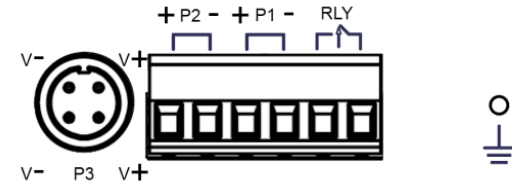
Select the Default Function and Speed using the DIP Switches

Toggle the **DIP Switches** up and/or down to select the **SFP Slot F5 (Right)** or **T5 Network Port** and the **Network Speed**.

> *Note: If DIP 1 is set to T5 then DIP 2 must be set to 1000M.*

F5 1000M

	Dip 1 to select port 5 TX or SFP	F5	F5 ON (default)
		T5	T5 ON
	Dip 2 to select SFP speed	1000M	1000M (default)
1 2		100M	100M

T5 100M