

1 Unpacking

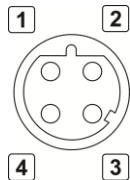
Unpack the items. Your package should include:

- One ER52000 hardened PoE switch
- One CD containing this user's guide

If items are missing or damaged, notify your EtherWAN representative. Keep the carton and packing material.

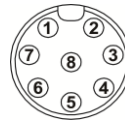
2 What Else You Need

- 10/100Base-TX (PoE): M12 D-Coding Male 4-Pin Connector to RJ-45 Connector Ethernet cables.



Pin	Meaning	Description
1	TX +	DC -
2	RX +	DC +
3	TX -	DC -
4	RX -	DC +

- 10/100/1000Base-TX: M12 A-Coding Male 8-Pin Connector to RJ-45 Connector Ethernet cables.

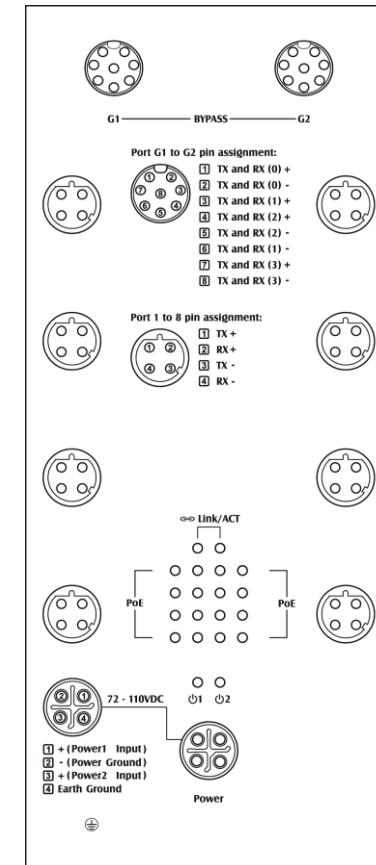


Pin	Meaning
1	TX and RX (0) +
2	TX and RX (0) -
3	TX and RX (1) +
4	TX and RX (2) +
5	TX and RX (2) -
6	TX and RX (1) -
7	TX and RX (3) +
8	TX and RX (3) -

3 Select a Location

- Wall-mount installations: Mount on a flat wall surface.
- Identify a power source within 6 feet (1.8 meters).
- Choose a dry area with ambient temperature between -40 and 75°C (-40 and 167°F).
- Keep away from heat sources, sunlight, warm air exhausts, hot-air vents, and heaters.
- Be sure there is adequate airflow.
- Keep the switch at least 6 ft (1.83 m) away from the nearest source of electromagnetic noise, such as a photocopy machine.

4 Connect to the Data Ports



The switch provides eight 10/100 Mbps M12 ports that can connect to Power over Ethernet (PoE) devices, such as an IP surveillance camera or a Voice Over Internet Protocol (VoIP) phone.

PoE Power Budget 120W, Port1~4: 60W, Port5-8: 60W.

Bypass on G1 and G2 port:

Bypass relay function on bypass port. When the switch is operating normally, these two bypass ports work in the same way as the other ports. The frame ingressions are processed and then forwarded. In the event the switch stops working due to a power failure, the bypass relay function will be triggered to ensure non-stop data communication.

- A. Insert one end of the Ethernet cable into a switch port.
- B. Connect the other end into the Ethernet port of the device.
- C. Repeat steps A and B for each additional device you want to connect to the switch.

5 Apply DC Power

Connect the female end (M12 S-Coding Female 4-Pin Connector) of the supplied DC power cord to the power receptacle on the switch front panel. Connect the other end to a grounded DC outlet.

When you apply DC power:

- All green **PoE** and **Link/ACT** LEDs blink momentarily.
- The green **Power** LED goes ON.
- The **Link/ACT** LEDs for every port connected to a device flash, as the switch conducts a brief Power On Self-Test (POST).
- M12 S-Coding Male 4-Pin Connector.



Pin	Meaning	Description
1	+	Power1 Input.
2	-	Power1 Ground.
3	+	Power2 Input.
4	-	Power2 Ground.

Power Input Assignment		
Power1	+	ON = valid network connection.
	-	OFF = no data transmission on port.
Power2	+	ON = valid network connection.
	-	OFF = no data transmission on port.

6 Front Panel LEDs

LED	Color	Status
⏻ Power1, 2	Green	ON = switch is receiving power.
10/100TX Ports		
↔ Link/ACT (port number)	Green	ON = valid network connection.
		OFF = no data transmission on port.
		Flashing = port is sending or receiving data.
PoE (port number)	Amber	ON = Powered Device (PD) is connected.
		OFF = Powered Device (PD) is disconnected.
10/100/1000TX Ports		
Link/ACT (port number)	Green	ON = valid network connection.
		OFF = no data transmission on port.
		Flashing = port is sending or receiving data.

Congratulations! You have successfully installed your switch.