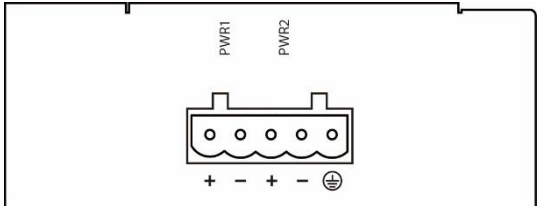
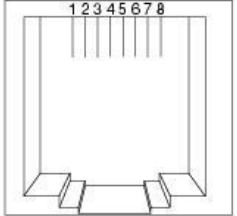
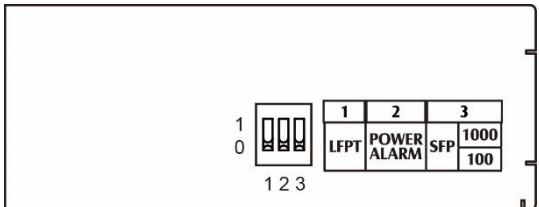
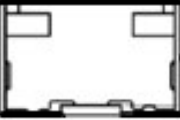


### Physical Description

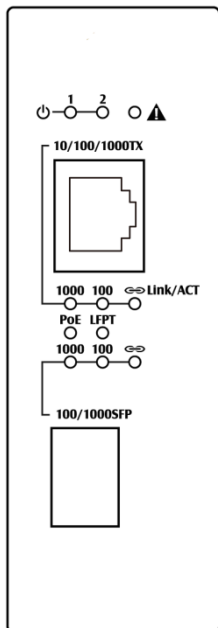
#### The Terminal Block and Power Inputs

	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Power Input Assignment</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Power2</td> <td>+</td> <td>52-57VDC</td> <td rowspan="6" style="text-align: center; vertical-align: middle;">Terminal Block</td> </tr> <tr> <td>-</td> <td>Power Ground</td> </tr> <tr> <td rowspan="2">Power1</td> <td>+</td> <td>52-57VDC</td> </tr> <tr> <td>-</td> <td>Power Ground</td> </tr> <tr> <td colspan="2" style="text-align: center;">⊕</td> <td>Earth Ground</td> </tr> </tbody> </table>	Power Input Assignment				Power2	+	52-57VDC	Terminal Block	-	Power Ground	Power1	+	52-57VDC	-	Power Ground	⊕		Earth Ground	<h4>The 10/100/1000Base-TX (PoE) Connections</h4> <p>The following lists the pinouts of 10/100/1000Base-TX (PoE) port.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pin</th> <th>Label</th> </tr> </thead> <tbody> <tr><td>1</td><td>TP0+</td></tr> <tr><td>2</td><td>TP0-</td></tr> <tr><td>3</td><td>TP1+</td></tr> <tr><td>4</td><td>TP2+</td></tr> <tr><td>5</td><td>TP2-</td></tr> <tr><td>6</td><td>TP1-</td></tr> <tr><td>7</td><td>TP3+</td></tr> <tr><td>8</td><td>TP3-</td></tr> </tbody> </table> 	Pin	Label	1	TP0+	2	TP0-	3	TP1+	4	TP2+	5	TP2-	6	TP1-	7	TP3+	8	TP3-
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<ul style="list-style-type: none"> <li>DC Terminal Block Power Inputs: Two power inputs must be connected in order to enable the power redundancy alarm. The Fault LED indicator will light up to if either Power 1 or Power 2 ceases to function. However, the media converter will continue to work normally even if the fault LED is lit, as long as the other power source is functioning.</li> </ul>	<h4>SFP Connection</h4> <p>The SFP socket for 100Base and 1000Base fiber optic expansion.</p>  <p style="text-align: center;"><b>For SFP Expansion</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pin</th> <th>Signal Name</th> <th>Signal Definition</th> </tr> </thead> <tbody> <tr><td>1</td><td>TP0+</td><td>Transmit and Receive Data 0 +</td></tr> <tr><td>2</td><td>TP0-</td><td>Transmit and Receive Data 0 -</td></tr> <tr><td>3</td><td>TP1+</td><td>Transmit and Receive Data 1 +</td></tr> <tr><td>4</td><td>TP2+</td><td>Transmit and Receive Data 2 +</td></tr> <tr><td>5</td><td>TP2-</td><td>Transmit and Receive Data 2 -</td></tr> <tr><td>6</td><td>TP1-</td><td>Transmit and Receive Data 1 -</td></tr> <tr><td>7</td><td>TP3+</td><td>Transmit and Receive Data 3 +</td></tr> <tr><td>8</td><td>TP3-</td><td>Transmit and Receive Data 3 -</td></tr> </tbody> </table>	Pin	Signal Name	Signal Definition	1	TP0+	Transmit and Receive Data 0 +	2	TP0-	Transmit and Receive Data 0 -	3	TP1+	Transmit and Receive Data 1 +	4	TP2+	Transmit and Receive Data 2 +	5	TP2-	Transmit and Receive Data 2 -	6	TP1-	Transmit and Receive Data 1 -	7	TP3+	Transmit and Receive Data 3 +	8	TP3-	Transmit and Receive Data 3 -									
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### Function Description

- Meets EN61000-6-2 & EN61000-6-4 EMC Generic Standard Immunity for industrial environments.
- Supports 802.3/802.3u/802.3ab/802.3z/802.3x.
- 10/100/1000-Auto/Full-duplex, Auto-Negotiation, Auto-MDI/MDIX.
- IEEE802.3x full-duplex flow control and half-duplex back pressure.
- Supports IEEE802.3at Power over Ethernet (PoE) Power Sourcing Equipment (PSE).
- Power consumption: 32.5W (30W for PoE) Max.
- -40°C to 75°C (-40°F to 167°F) operating temperature range.
- DIP switch configuration for link-fault-pass-through, power redundancy alarm, and 1000Base/100Base SFP.

### Port Status LEDs



LEDs	State	Indication
Power 1, 2	Steady	Power on
	Off	Power off
Fault	Steady	Power input failure
	Off	Power normal
LFPT (Link Fault Pass Through)	Steady	LFPT enabled
	Off	LFPT disabled
PoE	Steady	Powered Device (PD) is connected
	Off	Powered Device (PD) is disconnected
Link/ACT (10/100/1000TX)	Steady	Valid network connection is established on TX port
	Flashing	Transmitting or receiving data (ACT stands for Activity)
	Off	No network connection established
Speed (10/100/1000TX)	Amber	Connected at speed of 1000Mbps
	Green	Connected at speed of 100Mbps
	Off	Connected at speed of 10Mbps
Link/ACT (SFP)	Steady	Valid network connection is established on Fiber port
	Flashing	Transmitting or receiving data (ACT stands for Activity)
	Off	No network connection established
Speed (100/1000SFP)	Amber	SFP slot operating at 1000Base
	Green	SFP slot operating at 100Base

### Assembly, Startup, and Dismantling

- **Unpacking:** Open the carton and unpack the items. Your package should include an EL2242 media converter and this Quick Install Guide. If items are missing or damaged, notify your EtherWAN representative. Download the full manual at: <https://www.etherwan.com>
- **Assembly:** Place the media converter on the DIN-Rail from above using the slot. Push the front of the media converter toward the mounting surface until it audibly snaps into place.
- **Startup:** Connect the supply voltage to start up the media converter via the terminal block.
- **Dismantling:** Pull out the lower edge and then remove the media converter from the DIN-Rail.

