This quick start guide describes how to install and use the Ethernet Extender over coaxial cable. This is the Ethernet Extender of choice for environments constrained by space.
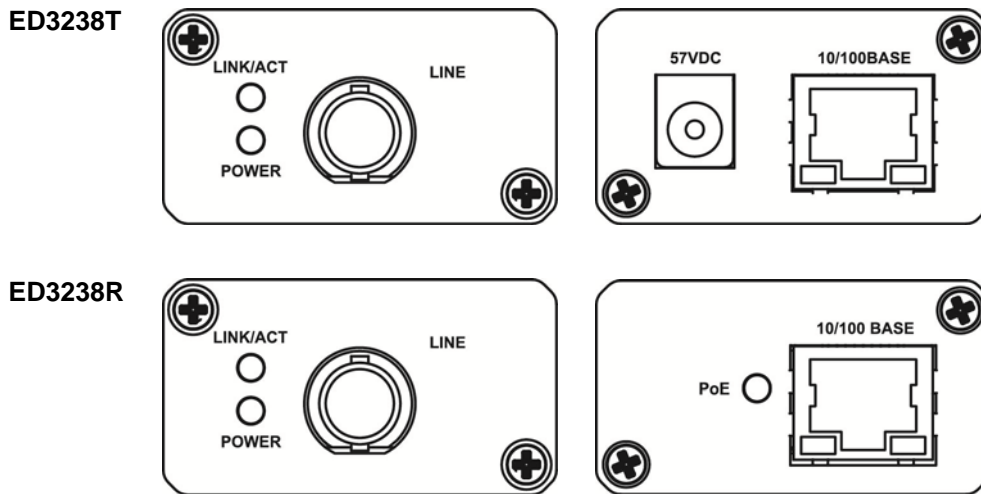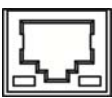
Installation

ED3238T (Transmitter): This is a PoL (Power over Link) transmitter. Data and power can be delivered at the same time through a coaxial cable to turn on and communicate with ED3238R (Receiver) via BNC interface.

ED3238R (Receiver): This is a PoL (Power over Link) Receiver. ED3238R (Receiver) can be powered by ED3238T (Transmitter) through a coaxial cable. The Ethernet port of ED3238R (Receiver) supports IEEE802.3af PoE/PSE for fulfilling PoE/PD application.

Physical Description

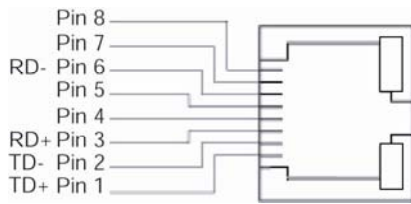### The Port Status LEDs and Power Inputs

LEDs	State	Indication	
POWER	Steady	Power received	
	Off	Power off	
LINK/ACT	Steady	A valid Extender connection established	
	Flashing	Data transmission or receiving	
	Off	Extender connection is not established	
PoE	Steady	Powered device (PD) is connected	
	Off	Powered device (PD) is disconnected	
	Green	Steady	A valid Ethernet connection established
		Flashing	Data transmission or receiving
		Off	No valid Ethernet connection established
	Yellow	Steady	Link speed at 100Mbps
		Off	Link speed at 10Mbps

70G-ED3238XQ1

10/100Base-TX Connectors

10/100Base-TX Connection
The following lists the pinouts of
10/100Base-TX RJ-45 port.

Pin	Regular Port	PoE Port
1	Output Transmit Data +	Output Transmit Data +
2	Output Transmit Data -	Output Transmit Data -
3	Input Receive Data +	Input Receive Data +
4		Positive (VCC+)
5		Positive (VCC+)
6	Input Receive Data -	Input Receive Data -
7		Negative (VCC-)
8		Negative (VCC-)

Functional Description

- Ethernet port: Supports IEEE802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, full/half-duplex. Auto MDI/MDIX.
- BNC interface: 100Mbps full-duplex throughput for Power over Link (PoL) application runs up to 250 meters on RG11 and 180 meters on RG6 coaxial cables.
- Operating temperature range @ -10℃ to 50℃ (14℉ to 122℉).
- ED3238T:
    - Can be PoE/PD powered by IEEE802.3at PoE/PSE device through Ethernet port of ED3238T or can be powered by 57VDC power adapter through DC Jack interface of ED3238T.
    - Input Power Rating (optional): DC Jack: 57VDC, 0.52A minimum; PoE connector: 50-57VDC, 0.52A minimum.
- ED3238R PSE port: 15.4 Watts.

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