



### Overview

The Vi-E18 PoE Extender is a cost effective way to extend the Ethernet network range beyond 100m, delivering both data and power to network devices such as WLAN Access Points and Network Cameras up to a distance of 200m while complying with IEEE PoE and Data standards. The PoE Extender supports 10/100/1000Mbps data rates and delivers 802.3at power levels, up to 25.5W. The PoE Extender does not require local power it is powered via the PoE input

### Key Features

- Extend PoE installation range by additional 100m
- Supports 10/100/1000Mbps data rates
- Provides 802.3af power levels when powered by any 802.3at source
- Provides 802.3at power levels when powered by Vi-E16
- Extenders can be cascaded to reach up to 500m
- Cost effective installation — no need for local power
- Plug and play installation — no configuration needed

### Order Codes

Vi-E18	Ethernet 100m PoE extender
Option	
Vi-E16	24-port Ethernet Switch, 24 PoE ports

### Specification

#### PoE Extender Specifications

Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 3/6 (+) and 1/2 (-) Output Power Voltage: 45-55Vdc PoE supports alternatives A and B
Input Power Requirements	DC Input PoE Voltage: 46-57Vdc Max Input Current: 0.7A
Dimensions	110 mm x 50 mm x 30 mm 4.33 in. X 2 in. x 1.12 in
Weight	.22 lbs (100g)
Indicators	System Indicator:
DC Power	Input/Output (Green)
Ethernet Data Connectors	Input/Output (Orange)
Environmental Conditions	Shielded RJ-45, female socket
Operating Humidity:	Operating Ambient Temperature:
Storage Temperature:	32° to 104°F (0°C to 40°C) (1G rate)
Storage Humidity:	32° to 122°F (0°C to 50°C) (10/100 rate)
MTBF:	Maximum 90%, Non-condensing
Thermal Rating	-4° to 158°F (-20° to 70°C)
Warranty	Maximum 95%, Non-condensing Reliability
Regulatory	150,000 hrs. @25°C
WEEE Compliant, Emission & Immunity	17 BTU/Hr (@Full Load)
Safety Approvals	1-year
	IEEE 802.3at (PoE), RoHS Compliant, CE Electromagnetic FCC Part 15, Class B
	EN 55022 Class B (Emissions)
	EN 55024 (Immunity), VCCI
	UL/cUL Per IEC60950
	GS Mark Per IEC60950