

# PoE Extender 802.3af /at Compliant,10/100M

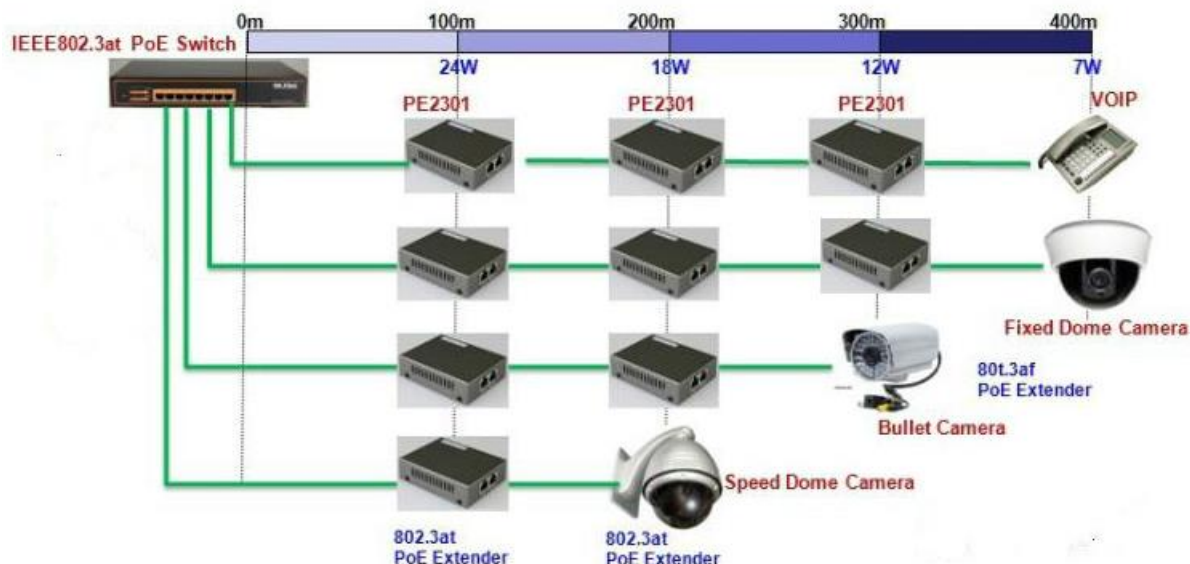


## Product Overview

Extends Power over Ethernet Installations to 200 Meters

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 and is powered via the PoE input.



## PoE Extender Features

- z Extended PoE installation range by additional 100m
- z Supports 10/100Mbps data rates
- z Provides 802.3af power levels when powered by any 802.3at
- z Provides 802.3at power levels when powered by PSE802

- z Extenders can be cascaded to reach up to 400m
- z Cost effective installation - no need for local power
- z Plug and play installation - no configuration needed

Parameter	Description
Pass Through Data Rates	10/100 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 3/6 (+), 1/2 (-) Output Power Voltage: 45-55Vdc
Input Power Requirements	PoE, supports alternatives A and B DC Input PoE Voltage: 46-57 Vdc Max Input Current: 0.7A
Dimensions	95 mm x 71.5 mm x 26.5 mm
Weight	300g
Indicators	System Indicator: DC Power Input/Output (Green) Ethernet Data Input/Output (Orange)
Connectors	Shielded RJ-45 female socket
Environmental Conditions	Operating Ambient Temp.: 32°to 104°F (0 to 40°C) (1G rate) 32° to 122°F (0 to 50°C) (10/100M rate)  Operating Humidity: Maximum 90%, Non-condensing  Storage Temperature: -4°to 158°F (-20°to 70°C)  Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 150,000 hrs. @25°C
Thermal Rating	17 BTU/Hr (@Full Load)
Warranty	1-year
Regulatory Compliance	IEEE802.3at (PoE), RoHS Compliant WEEE Compliant
Electromagnetic Emissions & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity)

### Ordering Information

FR-POE2301 10/100M ,IEEE802.3at(24W)  
FR-POE2301G Gigabit,IEEE802.3at(24W)