

PoE Extender

PE2301 at PoE Extender

802.3af /at Compliant,10/100M

Product Overview

Extends Power over Ethernet Installations to 200 Meters

PowerDsine 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.

PE2301 Characteristics

PSE Source	PD Available Power @ 200m
4-pairs IEEE802.3at PSE ;(60W);PSE156G	25.5W (802.3at PD)
IEEE802.3at PSE (30W);PSE802	12.95W (802.3af PD)
Non Standrad PSE (60W);PSE256-HUB	12.3W (802.3af Class 2 PD)

PoE Extender Features

- Extended PoE installation range by additional 100m
- Supports 10/100Mbps data rates
- Provides 802.3af power levels when powered by any 802.3at source
- Provides 802.3at power levels when powered by PSE802 Midspans
- Extenders can be cascaded to reach up to 500m
- Cost effective installation - no need for local power
- Plug and play installation - no configuration needed

Ordering Information

Part Number	Description
PE2301	10/100m ,IEEE802.3at (24W)
PE2301G	Gigabit,IEEE802.3at (24W)

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)
Safety Approvals	UL/cUL Per EN 60950 GS Mark Per EN 60950