Vi22301U

60W 12/24VDC PoE Splitter w/30W PoE Port and 30W DC Output

Features

- Provides both PoE and either 12VDC or 24VDC for powering non-PoE devices with a PoE input
- Cost effective solution for powering both IP cameras, security and emergency phone and lighting systems
- Convert IEEE 802.3af/at/bt PoE power to 12VDC or 24VDC
- Maintains IP data throughput and PoE
- Compatible with all IEEE 802.3af/at/bt and 60W PoE sources

Applications

- Powering LED lights
- Powering emergency response call box phone system
- Powering emergency response lighting alerts
- Powering telephone and alarm systems requiring DC power

The Vi22301U is a high-performance Power-over-Ethernet (PoE) splitter designed to simplify and streamline power delivery in hybrid installations requiring both PoE and traditional DC power. Capable of delivering up to 30W of PoE alongside either 12VDC or 24VDC 30W max outputs, it supports a wide array of devices, including IP cameras, LED lighting systems, emergency call boxes, and alarm systems.

Engineered for compatibility with IEEE 802.3af, 802.3at, IEEE 802.3bt and 60W PoE sources, the Vi22301U maintains full IP data throughput while providing clean, reliable DC power.

Ideal for both indoor and outdoor deployments, the Vi22301U operates over extended temperature ranges. It is particularly suited for powering IP PTZ dome cameras that require simultaneous PoE for camera operation and DC power for auxiliary components like heaters and blowers.

Whether deployed in security, public safety, or industrial automation scenarios, the Vi22301U delivers a cost-effective, space-saving solution tailored to modern infrastructure needs.

Technical Specification*

Electrical

Ethernet Interface	Standard 10/100/1G Base T
Power Consumption	Based on input power
Power Input	PoE IEEE 802.3af, 15.4W PoE IEEE 802.3at, 30W UPoE up to 60W PoE IEEE 802.3bt, 90W
Power Output	12VDC or 24VDC - (up to 30W) 30W PoE Port Note: Total power will depend on a combination of PoE and DC power required
Connections	Input Data + PoE: RJ45 Output Data + PoE: RJ45 Power Out: Push Connector
Status LEDs	PoE Input: Orange PoE Output: Orange 12/24VDC Output Available: Green
Data Interfaces and Compliances	RFC 768 UDP, RFC 2068 HTTP RFC 793 TCP, RFC 791 IP RFC 1783 TFTP, RFC 894 IP over Ethernet RFC 2544 TCP/IP Packet Transmission
PoE Compatibility	IEEE 802.3af / Class 0,1,2,3 IEEE 802.3at / Class 4 IEEE 802.3bt 60W PoE sources compatible sources

Regulatory

Safety	CE, FCC
Environmental	RoHS, WEEE

Environmental

Humidity	0% to 90%, Non-condensing
Temperature	Operating: -40°C to +75°C Storage: -40°C to +85°C

Mechanical

Dimensions	1.36x2.13x2.91 in., 34.5x54.1x73.9 cm (HxWxL)
Weight	0.328 lb, 149 g

*Specifications subject to change without notice.

Ordering Information

Part No.	Description
Vi22301U	60W PoE 12/24VDC DC PoE Splitter w/ 30W PoE Port

Related Products

Part No.	Description
Vi22101	IEEE802.3af, 12VDC DC PoE Splitter
Vi22201	IEEE802.3at,12/24VDC DC PoE Splitter

Mechanical Drawings

Right View

DATA+PoE Input
DATA+PoE Output
12/24VDC

Top View

2.91"
7.4 cm

2.13"
5.4 cm

Vi22301U 1G 60W PoE Splitter

● PoE In
● PoE Out
● Power Out

◆ **VIGITRON**

Left View

1.36"
3.5 cm

12V
24V
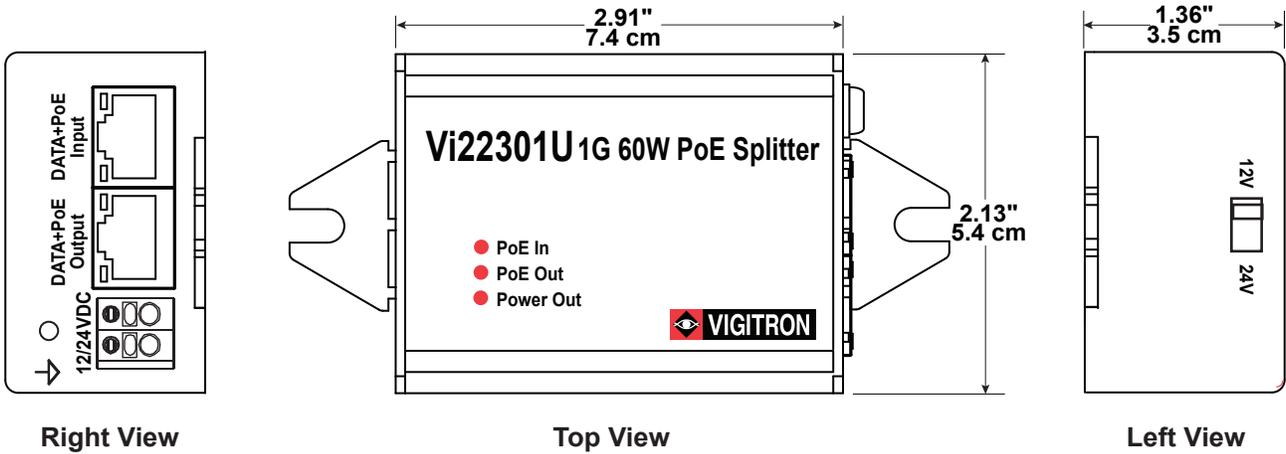
Application Drawings

Powering PoE and non-PoE devicesdistances

Non-PoE Switch

Vi10240   56VDC

Vi30210

Data
328 ft. (100m)

Vi22301U

Data + PoE

PoE Camera

Emergency Call Box

Data + 60W PoE
328 ft. (100m)

12/24VDC

Vi22301U

Data + PoE

IP Camera

Emergency Light

Data + 60W PoE
328 ft. (100m)

12/24VDC

Vi22301U

Data + PoE

IP Camera

LED Light

Data + 60W PoE
328 ft. (100m)

12/24VDC
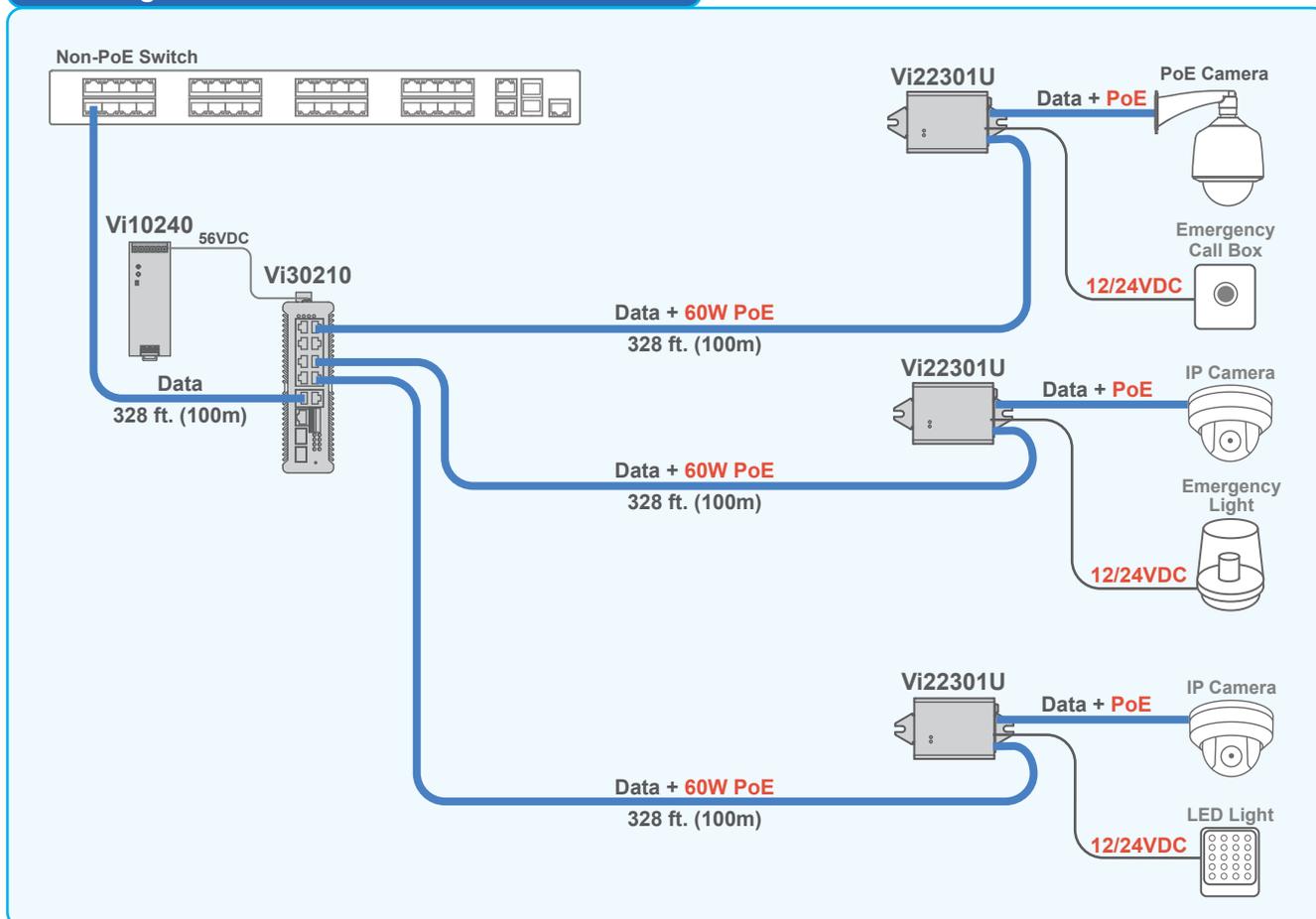
The Vi22301U can power a wide range of PoE devices while providing 12VDC or 24VDC to non-PoE devices.