

Vi22201

MaxiiPower™ IEEE 802.3af/at 12/24VDC PoE Splitter

Features

- Separates PoE from Ethernet
- Convert IEEE 802.3at PoE power to 12VDC or 24VDC
- Maintains IP data throughput
- Compatible with all IEEE 802.3af/at PoE sources
- Pass through data for device IP control and monitor
- Compatible with Vi2300A UTP and Vi2400A coax extenders for distances up to 2,000 ft.



Applications

- Power LED lighting
- Power emergency response call box phone system
- Power emergency response lighting alerts
- Telephone and alarm systems requiring DC power

The Vi22201 is a PoE splitter that is fully compliant with IEEE 802.3af and with IEEE 802.3at standards. When used with a PoE switch or PoE Midspan, it separates PoE from Ethernet data and regulates the PoE high voltage to 12VDC or 24VDC.

It is designed to power Non-PoE IP devices and can provide 12VDC or 24VDC at up to 30W. The output voltage is selected by a slide switch. The Vi22201 is equipped with over current protection to safeguard connected devices and can operate at extended temperature of -40°C to +85°C. It is cost effective and compact in size and fit easily in most camera housings.

The Vi22201 is an ideal solution that provides remote power to non-PoE IP devices to save installation time and cost.

Technical Specification*

Electrical

Ethernet Interface	Standard 10/100Mbps
Data Rate	Auto select 10/100Mbps Full speed / Full duplex
Power Consumption	Based on input power
Power Input	IEEE 802.3af, Class 3 15.4W IEEE 802.3at, Class 4 30W
Power Output	12V DC @ 1 amp 24VDC @ 2 amps
Connections	Input Power: RJ45 Power Out: Push Connector Data: RJ45
Status LEDs	PoE: Red 12VDC Output Available: Green
Data Interfaces and Complies	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

Ordering Information

PART No.	Description
Vi22201	IEEE 802.3at PoE to 12/24VDC DC Splitter

Mechanical

Dimensions	1.36x2.13x2.91 in., 34.5x54.1x73.9 cm (HxWxL)
Weight	0.25 lb, 115 g

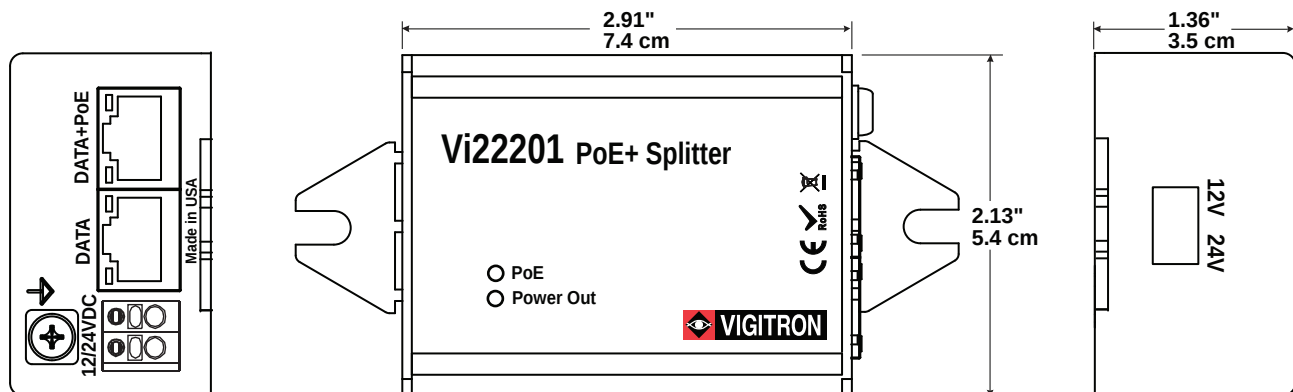
Environmental

Humidity	0 to 90%, Non-condensing
Temperature	Operating: -40°C to +85°C Storage: -65°C to +150°C

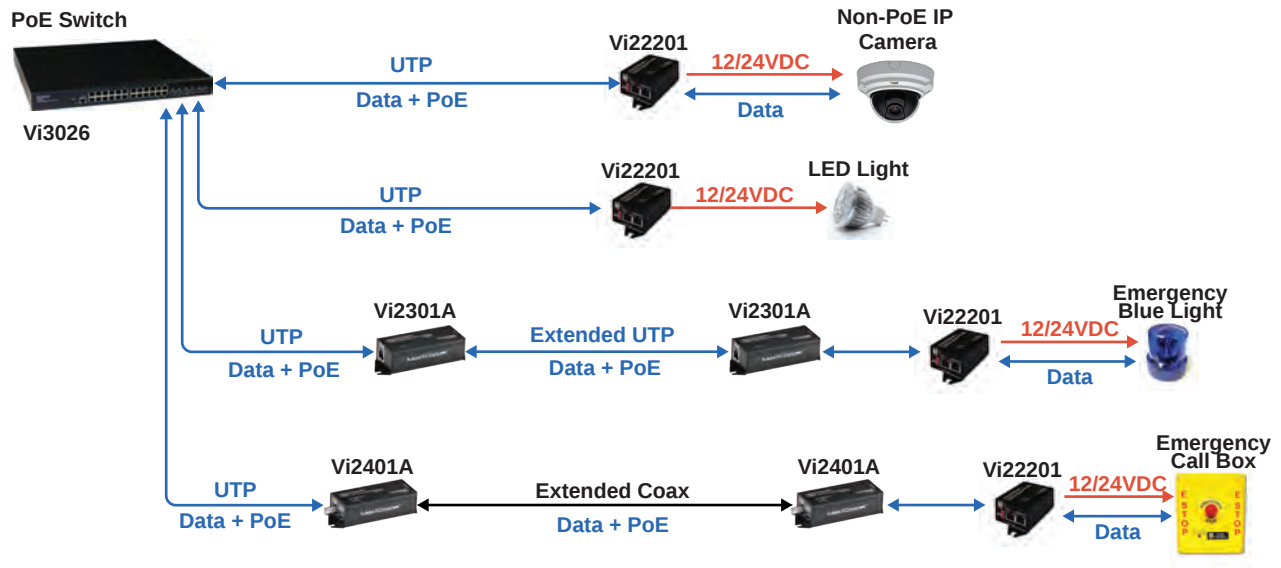
Regulatory

Safety	CE, FCC
Environmental	RoHS, WEEE

*Specifications subject to change without notice.



Application Diagrams



Vi22201 Power Distance Chart

PoE Input	Cable	Extender	Distances	Output Voltage	Output Current
15.5 W	UTP	N/A	328 ft.	12.5 VDC	1 A
15.5 W	UTP	Vi2300 Series	2,000 ft.	12.5 VDC	0.5 A
15.5 W	Coax	Vi2400 Series	2,000 ft.	12.5 VDC	0.5 A
30 W	UTP	N/A	328 ft.	12.5 VDC	2 A
30 W	UTP	N/A	328 ft.	24 VDC	1 A
30 W	UTP	Vi2300 Series	2,000 ft.	12.5 VDC	1 A
30 W	UTP	Vi2300 Series	2,000 ft.	24 VDC	0.5 A
30 W	Coax	Vi2400 Series	2,000 ft.	12.5 VDC	1 A
30 W	Coax	Vi2400 Series	2,000 ft.	24 VDC	0.5 A