

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 |

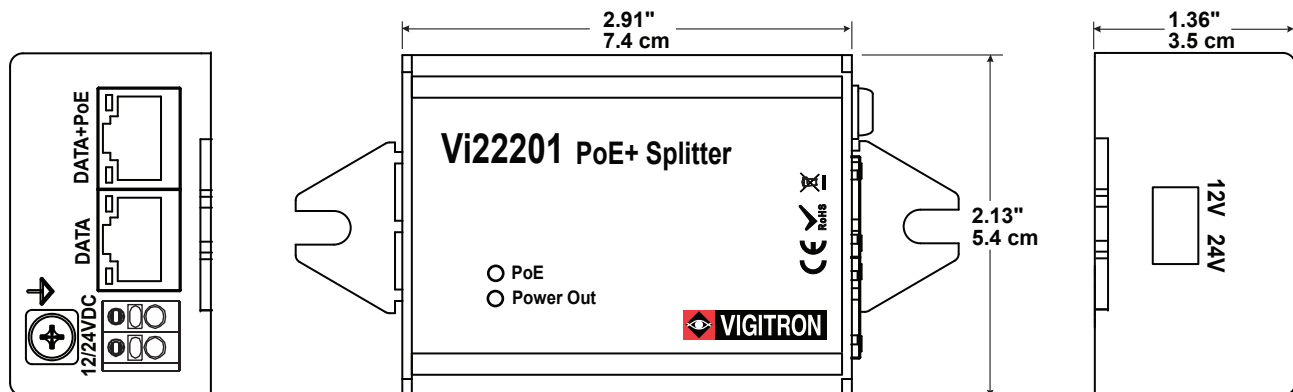
Environmental

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

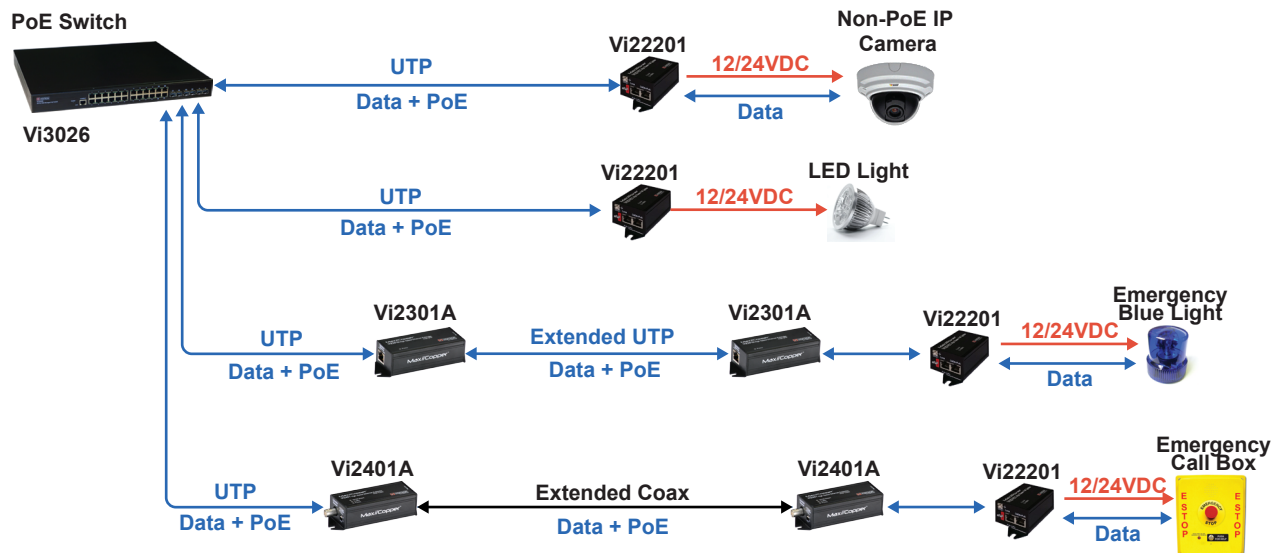
Regulatory

| | |
|---------------|------------|
| 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 |