Vi22001

MaxiiPower™ Single Port 90W PoE++ Midspan

Features

- Single port 90W midspan for 10/100/1000Base-T networks
- Compliant with 802.3af/at and 802.3bt PoE standards
- Delivers up to 90W PoE power for high power applications such as PTZ domes and high PoE cameras
- Complies with 802.3 safety standards for automatic detection and over-current protection
- Built-in PoE surge protection
- Ideal for powering high data rate and high power for Megapixel IP camera applications
- Cold Start: -20°C
- Operates at extended temperature range -40°C to +60°C
- Tested to RFC 2544 packet transmission standards
- Compact design
- Limited lifetime warranty

HRD™ | 90W PoE++ | 4K UHD | MPC™

Applications

- Local PoE source for IP cameras
- Cost effective solution for applications using non-PoE network switch
- Powering all types of PoE pwered IP equipment
- Complies to know standards for 802.3bt for LED Lighting and high power applications
- Powers PTZ domes requiring 60W and PoE Lighting conforming to 802.3bt

The MaxiiPower Model Vi22001 is a unique Single port PoE Midspan designed for the most demanding power applications of 10/100/1000 Base-T networks. With the ability to provide up to 90W PoE power, it is the most cost effective method for powering PTZ domes cameras with heaters and blowers. The Midspan is compliant IEEE 802.3af, IEEE 802.3at, and proposed IEEE 802.3bt standards up to 90W PoE applications.

The Vi22001 can virtually meet requirements of any high power PoE application. Its unique internal control system enables it to handle both single PD and dual PD PoE devices.

The Midspan is equipped with LEDs to provide power status. No IP setting or configurations are required and it can completely transparent to the Ethernet network and higher layer protocols.

The Vi22001's wide operating temperature and its comact size makes it an ideal Midspan to be used in most environmental enclosures.

CE RoHS

The Smart Choice for Transmission Solutions

Technical Specification*

Electrical

Ethernet Interface	Standard 10/100/1000 BaseTX
UTP	Category-5 (or higher)
AC Input Power	90-264VAC @ 1.1A Max, 50-60 Hz
Output Power	90W @ 56 VDC
PoE Standards	802.3af 802.3at UPoE up to 90W
Status LEDs	Power: Green PoE On: Green
Connectors	Input Interface: Shielded RJ-45 Output Interface: Shielded RJ-45 Main Power: IEC 320-C14 inlet

Regulatory

Safety	CE
Environmental	RoHS, WEEE

Environmental

Humidity	0 to 90%, non-condensing
Temperature	Cold Start: -20°C Operating: -40°C to +60°C Storage: -40°C to +85°C

Mechanical

Dimensions	2x3.75x5.71 in., 5.1x9.5x15.5 cm
Weight	(HxWxL) 1.58 lb (720 g)
Material	Extruded Aluminum

Included Accessories

Molded IEC 7 ft. (200 cm) power cord

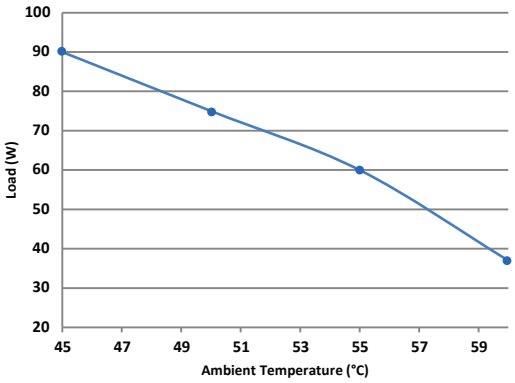
Mounting clips

*Specifications subject to change without notice.

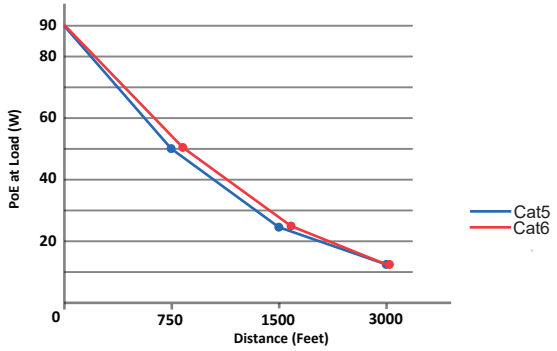
Ordering Information

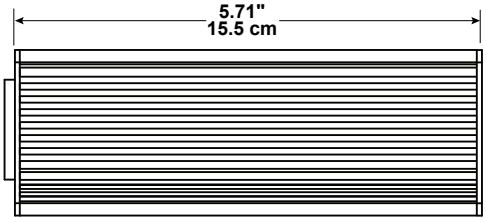
Part No.	Description
Vi22001	Single Port 90W PoE++ Midspan

PoE Power Output vs. Temperature

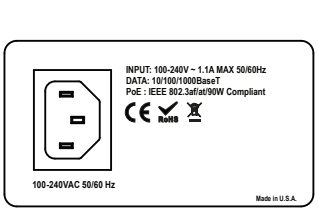


PoE Power at the load vs. Distance

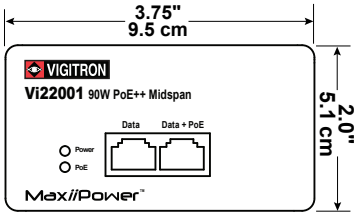




Side View

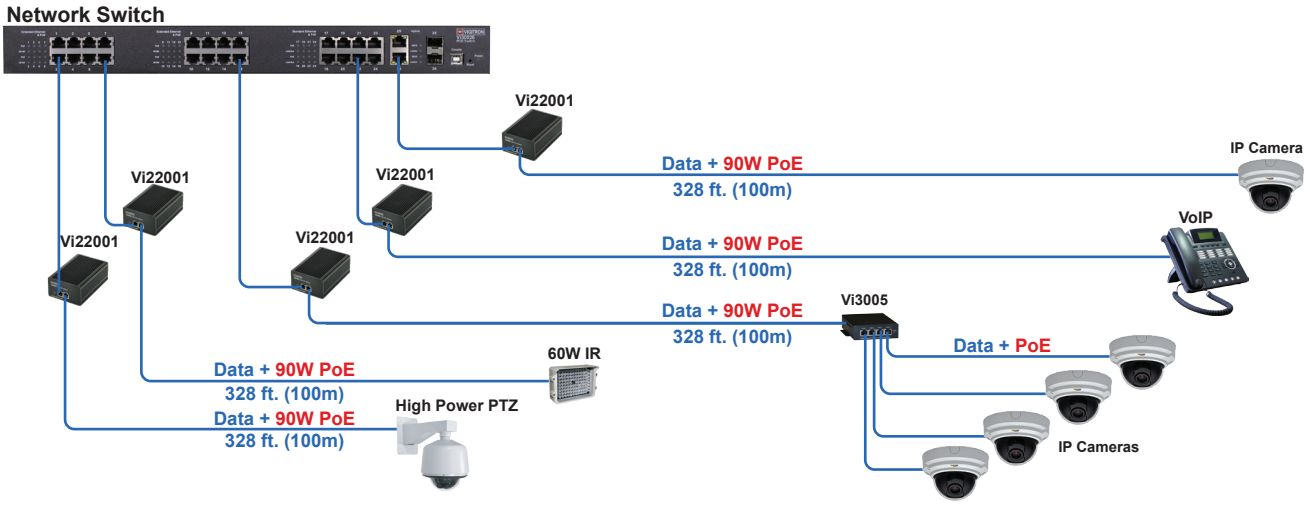


Right View

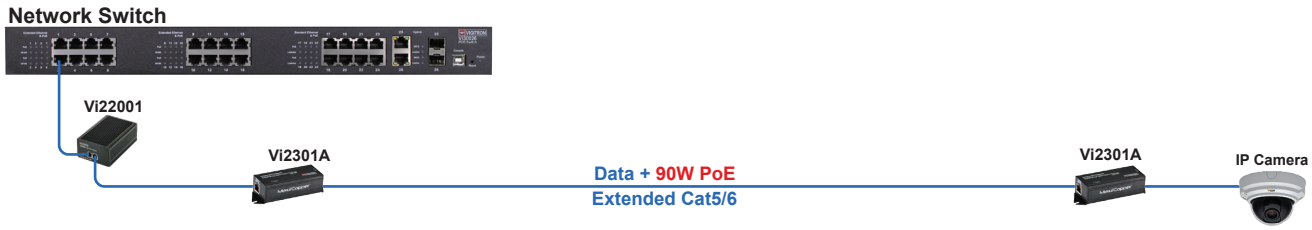


Left View

Application Diagrams



The Vi22001 can used to power a wide variety high PoE power devices with Single or Dual PDs.



The Vi22001 can used along with extenders to power PoE powered devices at long distances. The following chart shows the how much power can be available at extended distances: