Vi00103

NetMux™ Ethernet and PoE Port Multiplexer

Features

- Connects two IP/PoE devices to a PoE switch using a single Cat5/6 cable
- Provides up to 37W to each of 2 devices
- Reduces installation costs and time
- Indicates PoE presence at Camera side (TX module)
- Compatible with IEEE 802.3af and IEEE 802.3at
- No power source required
- Low cost and easy to use



Applications

- Adding a new IP camera to an existing installation without extra wiring
- Home security and communication applications
- Cost-effective solution for powering two IP devices using a single cable

The NetMux™ Vi00103 port multiplexer enables connecting two IP/POE devices using a single Cat5/6 cable. It features a port Combiner and a port Splitter. The Vi00103RX combines two IP/PoE signal and transmits them through only one Cat5/6 cable. It has two built-in 10 inch Cat 5 pigtail cables to connect to the PoE switch. The Vi00103TX separates the combined signals and connects them to two ports of the PoE switch. It has two integrated LEDs to provide indication of PoE status for each port.

The Vi00103 can handle PoE inputs of up to 37W for each connected device. The NetMux™'s innovative design is compact and easy to use. It is compatible with IEEE 802.af, IEEE 802.at and most non-standards POE systems up to 37W for 10/100 BASE-T environments.

NetMux™ is a perfect solution for reducing installation costs or adding PoE cameras or other IP/PoE devices to an existing installation.

Technical Specification*

Electrical

Ethernet Interface 10BASE-T and 100BASE-T

Power Source No external power source needed

Connections Vi00103RX: 2 x Male RJ45, 1 x Female RJ45

Vi00103TX: 3 x Female RJ45

Status LEDS Vi00103RX: N/A

Vi00103TX: Port 1 PoE Output: Green LED

Port 2 PoE Output: Green LED

PoE Compatibility IEEE802.3af/at maximum 37W per port

Regulatory

Safety CE, FCC Environmental RoHS, WEEE

Environmental

Humidity 0 to 95%, non-condensing

Temperature Operating: -40°C to +75° C

Storage: -40°C to +80°C

Mechanical

Dimensions Vi00103RX: 0.8x0.84x1.90 in, 2.03x2.13x4.83 cm (HxWxL)

w/ two 10 inches (25 cm) pigtail Cables

Vi00103TX: 0.83x1.39x1.44 in, 2.11x3.53x3.66 cm (HxWxL)

Weight Vi00103RX: 0.068 lb (31 g)

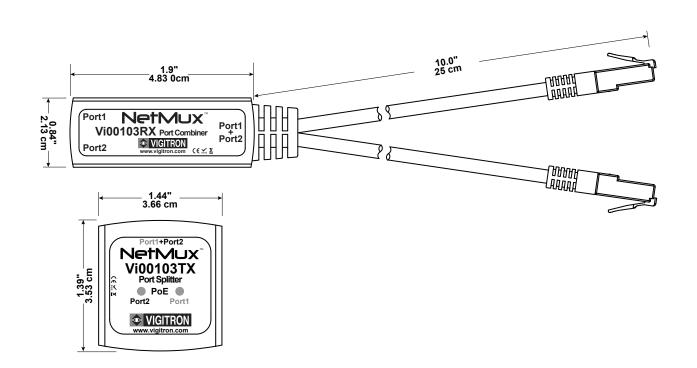
Vi00103TX: 0.035 lb (16 g)

Housing ABS plastic, UL rating of 94V-0

Ordering Information

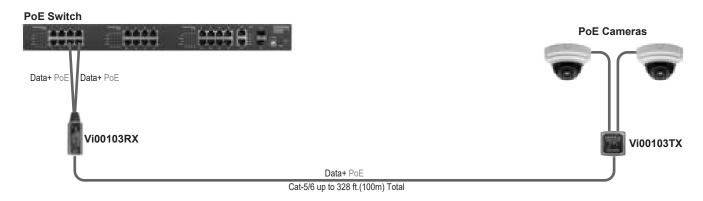
Part No. Description

Vi00103 Ethernet and PoE Port Multiplexer

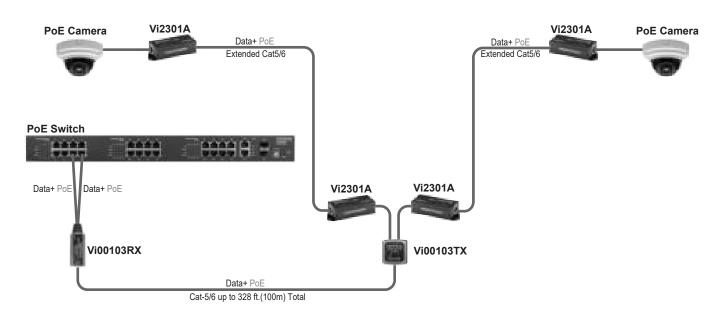


^{*}Specifications subject to change without notice.

Application Diagrams



The Vi00103 enables adding an extra PoE camera connection using an existing Cat5/6 cable.



Ethernet and PoE extenders can be used along with the Vi00103 to extend Ethernet and PoE connections. They can be placed on either the switch side or camera side.