
VX-Pi1000GB

Gigabit PoE Injector DC 48V



Product Description

The Versa Technology VX-Pi1000GB is an IEEE 802.3af Power Over Ethernet Injector which provides DC 48V over Ethernet cables. The VX-Pi1000GB IEEE 802.3af Power Over Ethernet Injector inserts DC Voltage into Cat.5 cable, allowing the cable between the injector (VX-Pi1000GB) and Splitter to simultaneously transfer data and power. The maximum distance between the injector (VX-Pi1000GB) and Splitter is 100 meters. The installed VX-Pi1000GB combines the Ethernet digital data with power over the twisted pair cables as an IEEE 802.3af Power over Ethernet injector.

Features

Unlike the existing Power over Ethernet Injector, the VX-Pi1000GB also provides 10/100/1000Mbps Gigabit Ethernet connection ability.

The Versa Technology VX-Pi1000GB is a perfect PoE Injector for PoE ready 802.11n Wireless Access Points. 802.11n has a maximum of 300Mbps bandwidth under best conditions. 802.11n will operate around 130Mbps under normal conditions. Only VX-Pi1000GB can provide both the bandwidth and power for 802.11n Wireless Access Points.

Features

- Compatible with IEEE 802.3af Power over Ethernet, IEEE 802.3/802.3u/802.3ab 10/100/1000Base-T
- Provides DC 48V power over RJ-45 Ethernet cable to a device with an Ethernet port
- LED powered input indicators
- Distance of up to 100 meters
- Auto-detection of PoE IEEE 802.3af equipment and devices prevents damage by incorrect installation
- Works with EIA568, category 5, 5e or 6 ,2/4-pair cables for 10Base-T or 100Base-TX and
- 1000Base-T EMI standards complies with FCC, CE class B
- 802.3af Standard
- Operating Temperature 0°C~50°C, 5~90% RH

Specifications



Output Voltage

- 48 V

Output Rating

- 0.5 A

Input Voltage

- AC 90 ~ 264 V

Input Frequency

- 47 ~63 Hz

Input Current

- 0.65 A Maximum

Inrush Current

- 40 A Maximum

Line Regulation

- 2% Maximum

Load Regulation

- $\pm 5\%$

Ripple & Noise	• 1% Typical
Efficiency	• 83% Typical
Temperature Coefficient	• 0.05% / °C
Over-Voltage Coefficient	• 96 V Maximum
Operating Temperature	• -10 ~ 55° C
Storage Temperature	• -20 ~ 85° C
Safety Description	• I / P



Definition of the Connectors

Pin	Data	Data & Power
1	Data	Negative Out
2	Data	Negative Out
3	Data	Positive Out
4	Data	Data
5	Data	Data
6	Data	Positive Out
7	Data	Data
8	Data	Data

Application

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