VX-Pi1000EX

IEEE 802.3at Compatible Gigabit Power over Ethernet Extender

Powerful Performance, Uninterrupted Coverage

Versa Technology's VX-PI1000EX is a newly designed and simple device that extends both the reach of 10/100/1000M Ethernet Data and IEEE 802.3af Power over Ethernet over the standard 100m (328ft.) CAT5e/6UTP cable to 200m, 300m or longer distance.

Long Distance PoE and Data Extension Solution

Currently, PoE supported networking devices such as PoE IP Cameras, PoE Wireless Access Points and PoE IP Phones have become the mainstream of network deployment because of its ease of installation regardless of additional power supply. Normally limited by the UTP cable specifications that goes up to 100 meters (328ft.), cable could be applied for IP-based and PoE powered devices (PD) installation. Therefore, the VX-PI1000EX has been designed as the repeater to forward both Gigabit Ethernet data and PoE power and thus increases the range of PoE powered device additional power supply or set up required, one single VX-PI1000EX can increase the PoE range to 200m. Daisy-chaining multiple VX-PI1000EX's offers you great flexibility to triple or quadruple the distance of PoE network.

Providing PoE and 10/100/1000M Ethernet data extension ability, the VX-PI1000EX is an ideal solution for service providers, campuses and public area networking applications that require PoE deployment for wireless access points, IP-based surveillance cameras or IP phones in any places. It enables you to efficiently manage the power from one location.

USA: 800-989-2797
Worldwide: 909-591-8891
Fax: 909-591-6962

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Chino, CA 91710
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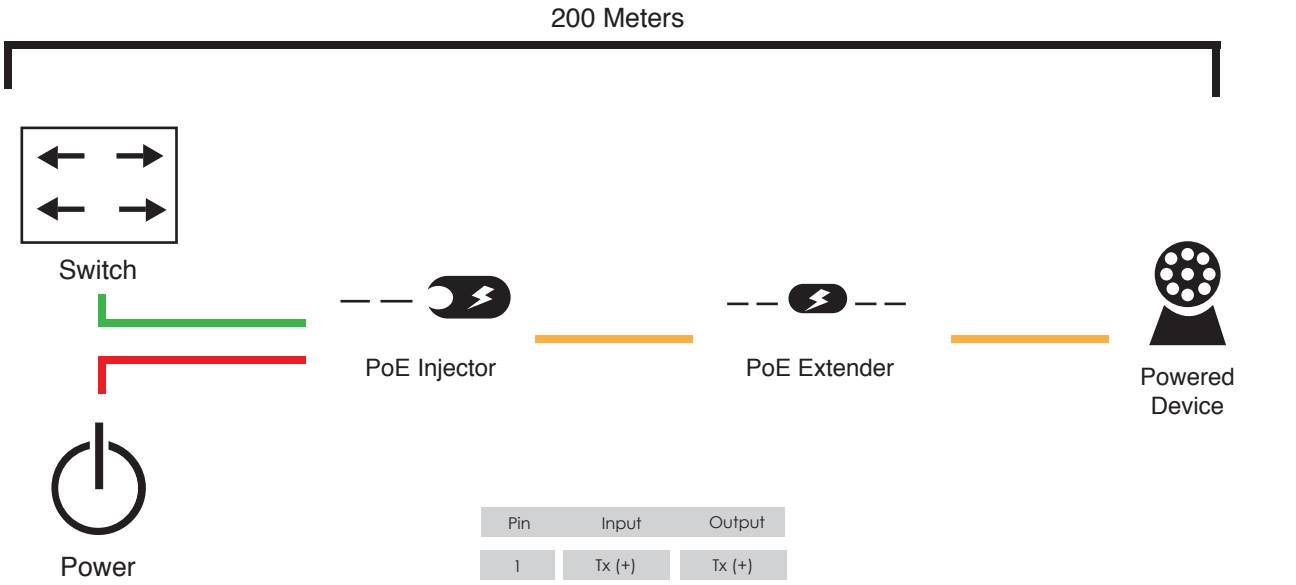
Easy Cabling Installation

The VX-PI1000EX POE Extender is installed by simple plug and play technology. It is used between a Power Source Equipment (PSE) and the Powered Device (PD) to inject power to the PD without affecting the data transmission performance. The VX-PI1000EX offers a cost effective and quick solution to double the standard range of POE from 100 to 200 meters. There are 2 RJ-45 ports in a compact mini box of POE Ethernet, of which the IN port functions as “POE (Data and Power) input” and the other port on the other side functions as “POE (Data and Power) output”. The “POE OUT” port is also the power injectors which transmit DC Voltage to the Cat5e/6 cable and transfer data and power simultaneously between the PSE and PD.

Application



Pin	Input	Output
1	Tx (+)	Tx (+)
2	Tx (-)	Tx (-)
3	Rx (+)	Rx (+)
4	N.C	+56V
5	N.C	+56V
6	Rx (-)	Rx (-)
7	GND	GND
8	GND	GND

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Specifications

Output Voltage	• 48 V
Output Rating	• 0.3 A
Input Voltage	• DC 38 ~ 56 V
Input Frequency	• 47 ~ 63 Hz
Input Current	• 0.65 A Maximum
Inrush Current	• 40 A Maximum
Line Regulation	• 2% Maximum
Load Regulation	• ± 5%
Ripple & Noise	• 1% Typical
Efficiency	• 80% Typical
Temperature Coefficient	• 0.05% / °C
Over-Voltage Coefficient	• 96 V Maximum
Operating Temperature	• 0 ~ 40°C
Storage Temperature	• -20 ~ 85°C
Safety Description	• I / P

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