VX-Pi1000GB-30

DC-DC IEEE 802.3at Gigabit High PoE Injector 10-15V DC

Product Description

The Versa Technology VX-Pi1000GB-30 is an IEEE 802.3at Power Over Ethernet Injector which provides DC 48V over Ethernet cables. Versa Technology has developed a new Single-Port PoE+ Injector which meets the requirements of both the IT and security industry for high wattage output and easy installation.

PoE with High Power, Security, Stability and Easy Installation Features

The VX-Pi1000GB-30 is a single-port Gigabit 802.3at PoE+ injector with internal power supply in compact housing. Carrying both Ethernet data and power simultaneously, the VX-Pi1000GB-30 helps users to utilize just one Ethernet cable to easily install and deploy IP cameras, wireless AP's or VoIP phone networks in environments where power outlets are hard to find.

The PoE in-line power following the IEEE 802.3at/af Power over Ethernet Plus standard makes the VX-Pi1000GB-30 able to deliver Gigabit speed Ethernet data and up to 30 watts of power to remote PoE compliant powered devices (PDs) over one Cat.5E/6 Ethernet cable. The VX-Pi1000GB-30 provides more flexible power requirements for all kinds of PDs at affordable installation costs.

Features:

- 2-port RJ45 interfaces: 1 Data + Power output, 1 Data input
- DC power In: 10 ~ 15V DC
- IEEE 802.3at compliant
- Backward compatible with IEEE 802.3af Power over Ethernet
- Supports up to 36 watts PoE
- Auto-detection of PoE IEEE 802.3at/af devices that could be damaged by incorrect installation
- Remote power feed up to 100m

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Specifications

Interface	• 1 x RJ45 Data In Port • 1 x RJ45 PoE Out Port
Network Cable	• 10BASE-T: 2-pair UTP Cat. 3, 4, 5, up to 100M (328ft) • 100BASE-TX: 2-pair UTP Cat. 3, 4, 5, up to 100M (328ft) • 1000BASE-T: 2-pair UTP Cat. 5, 5e, 6 up to 100M (328ft) • EIA/TIA-568 100-ohm STP (100m)
Data Rate	• 10/100/1000Mbps
Input Voltage	• 10-15VDC
Input Current	• 3.0Arms max.
Inrush Current	• 30Amps max. (Cold start at 48VDC input with rated load 25°C ambient)
Power Output	• Voltage: 48 VDC • Load: 0-0.75A • Peak: 0.8-1.5A
Load/Line Regulation	• Voltage: 48 VDC • Min. Voltage: 48.0V • Max. Voltage: 48.8V • Line Regulation: ±3% • Load Regulation: ±2%
Ripple & Noise	• 200mVp-p (@48VDC)
Power Requirements	• 10 ~ 15 VDC
Power Consumption	• 36 watts max.
PoE Standard	• IEEE 802.3at PoE+ / PSE

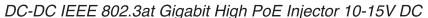|	
PoE Power Output	• DC 48V / 30 watts
Dimensions (L x W x H)	• 123 x 60 x 39mm
Weight	• TBA
Environment Temperature	• Operating Temperature: -10° ~ 40° C • Storage Temperature: -20° ~ 85° C
Relative Humidity	• 5 ~ 90% relative humidity, 72hrs. Full Load Normal Operation
Standards Compliance	• IEEE 802.3 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • IEEE 802.3af Power over Ethernet • IEEE 802.3at High Power over Ethernet Plus
Regulatory Compliance	• UL

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VERSA TECHNOLOGY

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Features:

- 2-port RJ45 interfaces: 1 Data + Power output, 1 Data input
- DC power In: 10 ~ 15V DC
- IEEE 802.3at compliant
- Backward compatible with IEEE 802.3af Power over Ethernet
- Supports up to 35 watts PoE
- Auto-detection of PoE IEEE 802.3at/af devices that could be damaged by incorrect installation
- Remote power feed up to 100m

Specifications:

Data Rate	10/100/1000Mbps	**Power Requirements**	10~15 VDC
Input Voltage	10~15 VDC	**Power Consumption**	35W max.
Input Current	3.0Arms max.	**PoE Standard**	IEEE 802.3at PoE+/PSE
Inrush Current	30Amps max.	**PoE Power Output**	DC 48V / 35W
Output Power	36W	**Dimensions (L x W x H)**	123 x 60 x 39mm
Output Voltage	48 VDC	**Operating Temperature**	-10° ~ 40° C
Line Regulation	±3%	**Storage Temperature**	-20° ~ 85° C
Load Regulation	±2%	**Relative Humidity**	5 ~90% RH, 72hrs. Full Load
Ripple & Noise	200mVp-p (@48VDC)	**Regulatory Compliance**	UL

Data In Pins	Data & Power Out Pins
1 ——————	1 -Power
2 ——————	2 -Power
3 ——————	3 +Power
4 ——————	4 +Power
5 ——————	5 +Power
6 ——————	6 +Power
7 ——————	7 -Power
8 ——————	8 -Power