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1. Introduction

Korenix PD1205 Power Over Ethernet Splitter transfers both data and electrical power to Ethernet-enabled devices using standard Ethernet CAT5 cable. With Power over Ethernet technology, there is no need to place an Ethernet-enabled device, such as a wireless access point, IP camera, near a power outlet. Korenix PD1205 Power Over Ethernet Splitter is simple to install, requiring neither tools nor software. Its compact size makes POE implementation easy. Both power and data can be transmitted up to 328 feet (100m) using standard Ethernet cabling with virtually no reduction in data throughput.

1-1. Product Features

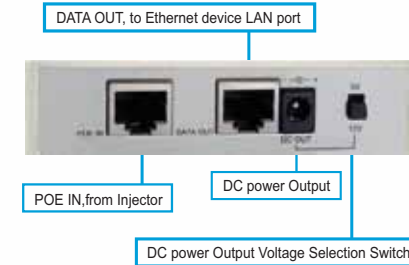
- ▶ IEEE802.3af powered device
- ▶ Splits power and data from PoE for non-compliance devices
- ▶ Supplies up to 11W at 5 VDC or 12W at 12 VDC
- ▶ High Safety with short Circuit Protection
- ▶ Auto disconnection for over voltage , under voltage or over current
- ▶ Supports power detection and classification

1-2. Package Checklist

Korenix PD1205 Power Over Ethernet Splitter is shipped with the following items:

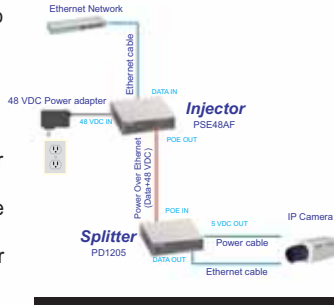
- ▶ 1 Power Over Ethernet Splitter
- ▶ 1 DC Power Cable
- ▶ 1 Ethernet Cable
- ▶ Quick Installation Guide

1-3. Product Panel Layout



2. Hardware Installation

The figure on the right illustrates how to connect the splitter to Ethernet network devices, a power source, and a splitter or a PD device. Korenix PD1205 Power Over Ethernet Splitter complies with the 802.3af standard that allows the Splitter to connect to other Inline devices.



However, you need to make sure that the devices support Inline Power on its Ethernet ports.

Note: Make sure to connect the 48 VDC power source to the DC power jack on the injector before plugging the power adapter AC power outlet on the splitter.

3. LED Indicators



LED	Status	Description
POWER (5VDC OUT)	On	Indicates that the splitter is supplying 5 VDC to the power jack marked with DC OUT.
	Off	Indicates that the splitter is NOT supplying 5 VDC to the power jack marked with DC OUT or a power failure occurs.
POWER (12VDC OUT)	On	Indicates that the splitter is supplying 12 VDC to the power jack marked with DC OUT.
	Off	Indicates that the splitter is NOT supplying 12 VDC to the power jack marked with DC OUT or a power failure occurs.
PoE IN	On	Indicates that the splitter is receiving POE 48 VDC power from an injector or a PSE.
	Off	Indicates that the splitter is NOT receiving POE 48 VDC power from an injector or a PSE.

4. Specifications

	PD1205 Power Over Ethernet Splitter
Standard	IEEE 802.3af
Power Input	48 VDC@15.4w (max.)
Power Output	5 VDC@12W (max.) , 12 VDC@12W (max.)
LED Indicators	POWER (5VDC OUT) POWER (12VDC OUT) Power (48VDC IN)
Operating Temperature	0 to 50°C
Operating Humidity	5% to 90% RH
Storage Temperature	-10 to 70°C
Safety Approvals	FCC class B, CE, VCCI-B, cUL, CB

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Power Over Ethernet
 Injector/Splitter

Quick Installation Guide

V1.0

www.korenix.com

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1. Introduction

Korenix PSE48AF Power Over Ethernet Injector transfers both data and electrical power to Ethernet-enabled devices using standard Ethernet CAT5 cable. With Power over Ethernet technology, there is no need to place an Ethernet-enabled device, such as a wireless access point, IP camera, near a power outlet. Korenix PoE Injector is simple to install, requiring neither tools nor software. Its compact size makes POE implementation easy. Both power and data can be transmitted up to 328 feet (100m) using standard Ethernet cabling with virtually no reduction in data throughput.

1-1. Product Features

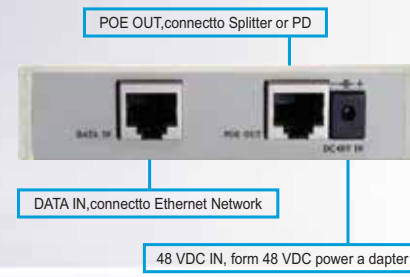
- ▶ IEEE802.3af-complid power suppl equipment
- ▶ Combines Ethernet and power into a standard Ethernet cable
- ▶ Supplies power to PD device up to 15.4 watts
- ▶ Auto-Sensing algorithm to automaticall determine and suppl power onl to devices that can accept 802.3af power over the Ethernet connection
- ▶ High Safet with short circuit protection
- ▶ Wide range AC input (100 VAC to 240 VAC)
- ▶ Auto disconnection for over voltage or under voltage
- ▶ Supports power detection and classification

1-2. Package Checklist

Korenix PSE48AF Power Over Ethernet Injector is shipped with the following items:

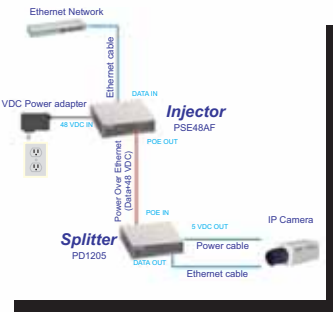
- ▶ 1 Power Over Ethernet Splitter
- ▶ 1 DC Power Cable
- ▶ 1 Ethernet Cable
- ▶ Quick Installation Guide

1-3. Product Panel Layout



2. Hardware Installation

The figure on the right illustrates how to connect the injector to Ethernet network devices, a power source, and a splitter or a PD device. Korenix PSE48AF Power Over Ethernet Injector complies with the 802.3af standard that allows the injector to connect to other Inline



devices. However, you need to make sure that the devices support Inline Power on its Ethernet ports.

Note: Make sure to connect the 48 VDC power source to the DC power jack on the injector before plugging the power adapter AC power outlet on the splitter.

3. LED Indicators



LED	Status	Description
POWER	On	Indicates that 48 VDC is being supplied to the injector.
	Off	Indicates that 48 VDC is NOT being supplied to the injector or a power failure occurs.
PoE OUT	On	Indicates that the RJ45 connector marked with POE OUT is successfully connected to the splitter or a PD.
	Off	Indicates that the RJ45 connector marked with POE OUT is NOT successfully connected to the splitter or a PD.

4. Specifications

	PSE48AF Power Over Ethernet Injector
Standard	IEEE 802.3af
Power Input	48 VDC/0.5A
Power Output	Class 0: 48 VDC@15.4W Class 1: 48 VDC@4W Class 2: 48 VDC@7W Class 3: 48 VDC@15.4W
LED Indicators	Power Power Good
Operating Temperature	0 to 50°C
Operating Humidity	5% to 90% RH
Storage Temperature	-10 to 70°C
Safety Approvals	FCC class B, CE, VCCI-B, cUL, CB

5. Words of Product Manager

Thanks to the development of PoE technology, industrial Ethernet applications now have a big breakthrough. With PoE technology, an Ethernet cable not only carries data, but also carries power, supplying power to switches and devices. In this way, factories without power sources onsite or with far-from-reach power sources can now simplify the onsite wiring and installation, largely reducing the wiring cost, and allowing systems to be easily set up. PoE is the next trend in industrial applications after the prevalence of industrial Ethernet.

Michael Teng
Product VIP Michael Teng

6. Korenix Customer Care

KoreCARE---KoreCARE is Korenix Technology's global service center, where our professional staff is ready to solve our problems at any time and in real-time. Korenix global service center's e-mail is KoreCARE@korenix.com
5-Year WARRANTY POLICY--- Each of Korenix's product line is designed, produced, and tested with high industrial standard. Korenix warrants that the Product(s) shall be free from defects in materials and workmanship for a period of five (5) years from the date of delivery provided that the Product was properly installed and used. This warranty is voided if defects, malfunctions or failures of the warranted Product are caused by damage resulting from force majeure (such as floods, fire, etc.), environmental and atmospheric disturbances, other external forces such as power line disturbances, host computer malfunction, plugging the board in under power, or incorrect cabling; or the warranted Product is misused, abused, or operated, altered and repaired in an unauthorized or improper way.