



### Electricity and Data transmission using just a UTP/STP cable.

In some installations the electricity plug is not available close to the device to be connected, such as Access Points, IP Telephones, Surveillance cameras... In that case the POE Kits is the best solution. Power Over Ethernet technology allows electricity transmission besides the data through a unique Ethernet cable and up to 100m. distance. Thanks to that product, all devices could be easily installed on places with difficult access or outdoor and with no electric plug nearby. OvisLink Power Over Ethernet products are comply with standard 802.11af which makes possible the installation with other compatible devices.

### The POE Kit has basically two elements

#### 1- POE Injector (POE-INJAF)

Provide the energy for the whole kit. It is connected to the electric wall plug using the power cable, besides through RJ45 port, the data is received/transmitted at/from the injector. At the other side of the injector only through a single RJ45 port, electricity and data is forwarded to the splitter.

**Input:** AC 100V - AC 240V

**Output:** DC 48V, 350mA

**Efficiency:** 70% Min

#### Protection

Short Circuit Protection: Any output Short GND Terminal will lead Auto-Reset.

Over Load Protection: Load current over 450mA will lead Auto-Reset.

High Voltage Protection: Output DC voltage over 52V will lead Auto-Reset.

#### Environment

**Operation Temperature:** From 0°C to 60°C

**Storage Temperature:** From -10°C to 70°C

**Operation Humidity:** From 5% to 90%

#### Connections

RJ-45 Output (Data & Power)			RJ-45 Input (Data Only)	
Pin	Symbol	Description	Symbol	Description
1	Rx+	Data Receive	Rx+	Data Receive
2	Rx-	Data Receive	Rx-	Data Receive
3	Tx+	Data Transmit	Tx+	Data Transmit
4	-Vdc_return(+)	Feeding power(+)	NC	Not Connected
5	-Vdc_return(+)	Feeding power(+)	NC	Not Connected
6	Tx-	Data Transmit	Tx-	Data Transmit
7	-Vdc	Feeding power(-)	NC	Not Connected
8	-Vdc	Feeding power(-)	NC	Not Connected

#### Weight and Measurement

**Material** Plastic case. ABS.

**Dimensions** 85mm (L) \* 76mm (W) \* 36mm (H)

#### 2- POE Splitter (POE-105AF, POE-109AF, POE-112AF)

The splitter receives combined signal (power and data) and split into two different cables; ethernet cable for data and power cable. Besides, that device transforms the power into the required specifications depending on the device to be connected, for example 3, 5, or 12Volts.

**Input** -13.5Vdc to -60Vdc, Nominal = 48V or 24Vdc

### Kit Power Over Ethernet

Electricity and Data transmission using just a UTP/STP cable

Supports 802.11af

5, 9 and 12V available models

### Available models Output

POE-105AF		POE-109AF		POE-112AF	
OUTPUT	+5V	OUTPUT	+9V	OUTPUT	+12V
Max. load	2.4A	Max. load	1.33A	Max. load	1A
Power	12W	Power	12W	Power	12W
Min. Load	0.1A	Min. Load	0.1A	Min. Load	0.1A
Load reg. %	5%	Load reg. %	5%	Load reg. %	1%
Line reg. %	1%	Line reg. %	1%	Line reg. %	1%
Ripple %	1%	Ripple %	1%	Ripple %	1%

Note:

1. Total power 12W for 48Vin, 6W for 24Vin.

2. Ripple bandwidth is from DC to 20Mhz.

#### Efficiency

70% Min

#### Short Circuit Protection

Any output Short GND Terminal will not damage the Power Supply and will Auto-Reset.

#### Environment

**Operation Temperature:** From 0°C to 60°C

**Storage Temperature:** From -10°C to 70°C

**Operation Humidity:** From 5% to 90%

#### Connections

RJ-45 Output (Data & Power)			RJ-45 Input (Data Only)	
Pin	Symbol	Description	Symbol	Description
1	Rx+	Data Receive	Rx+	Data Receive
2	Rx-	Data Receive	Rx-	Data Receive
3	Tx+	Data Transmit	Tx+	Data Transmit
4	-Vdc_return(+)	Feeding power(+)	NC	Not Connected
5	-Vdc_return(+)	Feeding power(+)	NC	Not Connected
6	Tx-	Data Transmit	Tx-	Data Transmit
7	-Vdc	Feeding power(-)	NC	Not Connected
8	-Vdc	Feeding power(-)	NC	Not Connected

#### Dimensiones del Jack de alimentación:

2.1Φ/ 5.5Φ, length: 12+/-0.5mm, ángulo de 180°.

**Polaridad: Interno (+), Externo (-).**

#### Weight and Measurement:

**Material:** Plastic case. ABS.

**Dimensions:** 85mm (d) \* 76mm (w) \* 36mm (h)

**Weight:** 135g

**LCAT-5 UTP Cable Length:** 20cm, conector RJ-45 plug.

**DC Power Cable Length:** 20cm, DC.

#### Available models:

POE-105AF: 5V Model

POE-109AF: 9V Model

POE-112AF: 12V Model

POE-INJAF: Energy Injector