ACCESSORIES / POWER

POE-DC-I1036-O48

10-36 V DC to 48 V passive PoE injector

Convert a 10-36 V DC supply to a 48 V passive PoE output for compatible network equipment, with up to 20 W output power and a compact DIN-rail-compatible enclosure.



Wide DC input

Supports DC supplies from 10 to 36 V.

Passive PoE output

48 V output, up to 0.42 A and 20 W.

Built-in protection

Input fuse, overcurrent protection and automatic short-circuit recovery.

10-36 V	48 V	20 W	100 Mbps
DC INPUT	PASSIVE PoE OUTPUT	MAX. OUTPUT POWER	ETHERNET DATA

Power and data through a single Ethernet cable.

DC source

Connect a correctly polarized 10-36 V DC supply with sufficient capacity.

Data input

Connect the data-only RJ45 port to the upstream Ethernet network.

Powered device

Use the data + power port for a compatible 48 V passive PoE device.

Passive PoE; no IEEE 802.3af/at negotiation. Confirm device voltage, power demand and pinout before connection.

© 2026 LUCEOR · 3 rue Michael Faraday · 78180 Montigny-le-Bretonneux · France

TECHNICAL SPECIFICATIONS

POE-DC-I1036-O48

Electrical

Input voltage	10-36 V DC
Input current	2.50 A at 10 V; 0.64 A at 36 V
Output voltage	48 V DC
Maximum output current	0.42 A
Maximum output power	20 W
PoE type	Passive, non-802.3af
Minimum efficiency	72% at full load
Load regulation	5%
Line regulation	1%
Ripple / noise	1% / 1%

Interfaces

Data rate	100 Mbps Ethernet
Network input	RJ45, data only
Network output	RJ45, data + power
PoE output pairs	Pins 4/5: positive; pins 7/8: negative
Status indicator	Green LED when output is available

Protection

Short circuit	Automatic reset
Input protection	Fuse
Overcurrent protection	Supported
Low-voltage cutoff	Input below 8 V

Mechanical & environmental

Dimensions (L x W x H)	85 x 78 x 36 mm
Enclosure	PC case
Mounting	DIN rail compatible
Cooling	Free-air cooling
Operating temperature	-25 to +45 °C
Storage temperature	-40 to +85 °C
Operating humidity	5-90%

Ordering information

Model	POE-DC-I1036-O48
Package contents	Available on request

Provide ventilation and verify the powered device accepts 48 V passive PoE. The 20 W output rating is the maximum power available to the load.

October 2026 / Refined edition

© 2026 LUCEOR · 3 rue Michael Faraday · 78180 Montigny-le-Bretonneux · France