

PARADOX 



**EG30**  
PoE+ Injector

#### SPECIFICATIONS

## Overview

The EG30 is an indoor-rated PoE+ midspan injector, used with the Paradox M25, and specially designed for complex backhaul and networking applications. It provides 52Vdc at 0.58A to Powered Devices (PDs) over a 2-pair output, supporting both 10/100 Base-T and Gigabit Ethernet connections.

It is suitable for 30W PoE devices, such as wireless access points, Wi-Fi routers, network cameras, IP phones, microwave radios, and other powered Ethernet terminals. It is compatible with IEEE 802.3af/at standard PDs.

Enclosed in a fire-retardant plastic case with an IP40 rating, it operates with a wide input voltage range of 100–240 Vac, 50/60 Hz. It provides direct power to connected Powered Devices without detection. The effective distance is 100 meters over Cat5e/Cat6 cables. It is small in size but high in performance.

#### Specifications

Parameter	Description
PoE Standard	IEEE 802.3af/at
Input Voltage	100-240 Vac @50/60Hz, 1.0A
Output Voltage	52 Vdc/0.58A
Power Consumption	estimated ~30W
PoE Power Output	Up to 30W PoE via 2-pair (52 Vdc)
Power Pin Assignment	Pin 4/5(+), 7/8(-)
Data Rate	10/100/1000Mbps
Cabling	Up to 100 meters over Cat5e/Cat6 Ethernet cable
Ethernet Ports	RJ45
Protection	Surge Protection, ESD Protection
LED Indicators	Power (Yellow), PoE Load (Green)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Operating Humidity	20% to 80%, non-condensing
Dimensions	9.53 W x 3.5H x 5.1D cm (3.7 x 1.4 x 2.01 in.)
Weight	0.135 kg
Mounting	Wall or desktop
Certifications	CE, FCC CFR47 Part 15, EN55032, EN55035, IEC 62368