

User Manual for PoE Extender

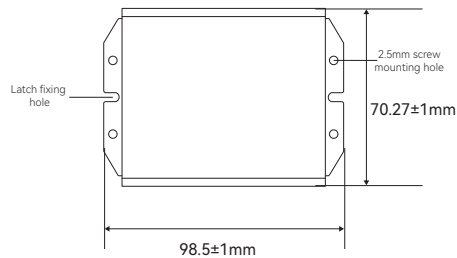
PT-PEX01GB

Overview

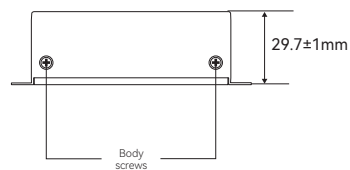
PT-PEX01GB is an industrial-grade PoE extender designed for complex backhaul and networking scenarios. Housed in a rugged metal enclosure, it features three 10/100/1000Mbps ports: one PoE input port supporting 802.3bt (up to 90W) and 1 PoE output port delivering up to 60W and equipped with 6KV surge protection. Operating at 44–57Vdc, it functions reliably in extreme temperatures from -40°C to +65°C. An internal detection chip ensures proper PoE handshake with IEEE802.3af/at/bt PDs such as wireless APs, IP cameras, base stations, and microwave radios. It enables up to 200 meters of effective transmission over CAT5e/CAT6 cables without local power.

Appearance

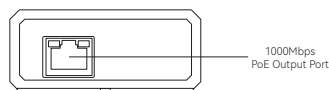
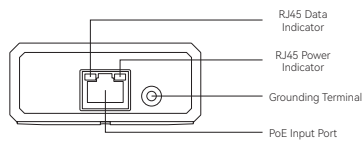
Top View



Side View



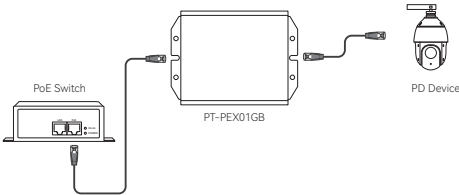
Front View



Specification

Item	PT-PEX01GB
Input	44-57V 1.5A Max
PoE Std.	IEEE802.3af/at/bt
Output	55V / 1.1 A (Max 60W)
Power Pins	4/5(+),7/8(-) 3/6(+),1/2(-)
Data speed	10/100/1000Mbps
Op. Temp.	-40°C to 65°C
Op. Humid.	20%-80%, non-condensation
Op. Alti.	Up to 2000 meters
Stor. Temp.	-40°C to 85°C
Stor. Humid.	10%-95%, non-condensation
Net. Proto.	IEEE802.3 / IEEE802.3u / IEEE802.3ab
Data Transfer	10/100/1000BASE-TX Cat5 or above UTP (≤ 328 feet)
Certification	CE FCC
IP Rated	IP40
Size & Weight	98.5mm×70.27mm×29.7mm (184g)
EMC	EN 55032:2015/A11:2020 EN 55035:2017/A11:2020

• Connection Diagram



• Installation

