

User Manual for 2.5G PoE Extender

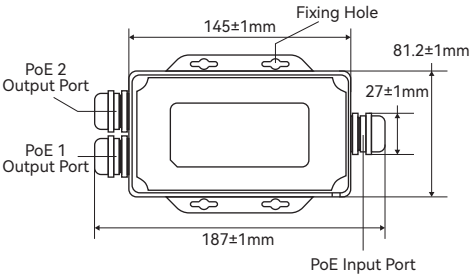
PT-PEX02GB-2-OT

Overview

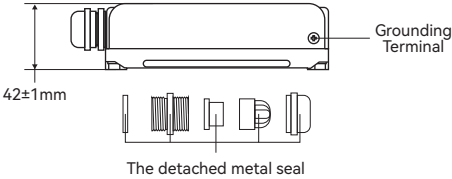
The industrial-grade 2.5G PoE network extender is designed for harsh outdoor environments. Ideal for security surveillance systems, outdoor high speed network deployments, and similar scenarios, it ensures stable long-distance PoE power supply and data transmission.

Appearance

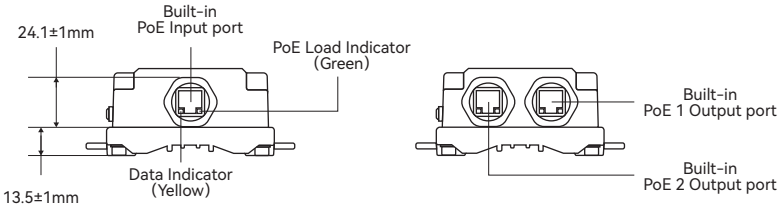
Top View



Side View



Front View



Specifications

Item	PT-PEX02GB-2-OT
PoE Output Interface	2*100/1000/25000Base-T RJ45(with waterproof connector)
PoE Standard	IEEE802.3af/at/bt Power over Ethernet
Input	44~57Vdc Max 90W
Output	55Vdc 0.82A(Max) Single port Max 50W ,total 88W
IPC	< 2.0W

Specifications

Item	PT-PEX02GB-2-OT
Data Rates	100/1000/2500Mbps
Trans. Distance	Extends 100m per extender Single-port cascading support up to 3 levels, max distance 400m
Network Protocols	IEEE802.3 Ethernet IEEE802.3u Fast Ethernet IEEE802.3ab Gigabit Ethernet IEEE802.3i/IEEE802.3u/IEEE802.3ab/IEEE802.3z IEEE802.3bz
Surge Protection	Common Mode: 6KV Differential Mode: 1.5KV
Op Temp	-40°C — 65°C
Op Humid	5%-95%, non-condensing
Enclosure	Material: Aluminum alloy(metal sealing + waterproof)
Installation	Pole-mount (φ70~110mm) / Wall-mount (expansion screws)
Protection	IP67 (dust-proof & waterproof)
Dimensions	194mmx101mmx41mm
Input Power	532g

Installation Steps

• Step 1: Determine Installation Location

Prioritize the midpoint between the PoE switch and PD device. Single-stage transmission distance ≤ 100m; inter-stage distance ≤ 100m for cascading.

Choose a location with convenient grounding access.

• Step 2: Secure the Device

Pole Mounting: Use stainless steel clamps to fix the device on vertical poles with a diameter of 70~110mm, and tighten the fixing screws.

Wall Mounting: Mark the hole positions on the wall, drill holes, insert expansion screws, and secure the device.

