



PT-PEX02GB-2-OT

2.5G PoE Extender

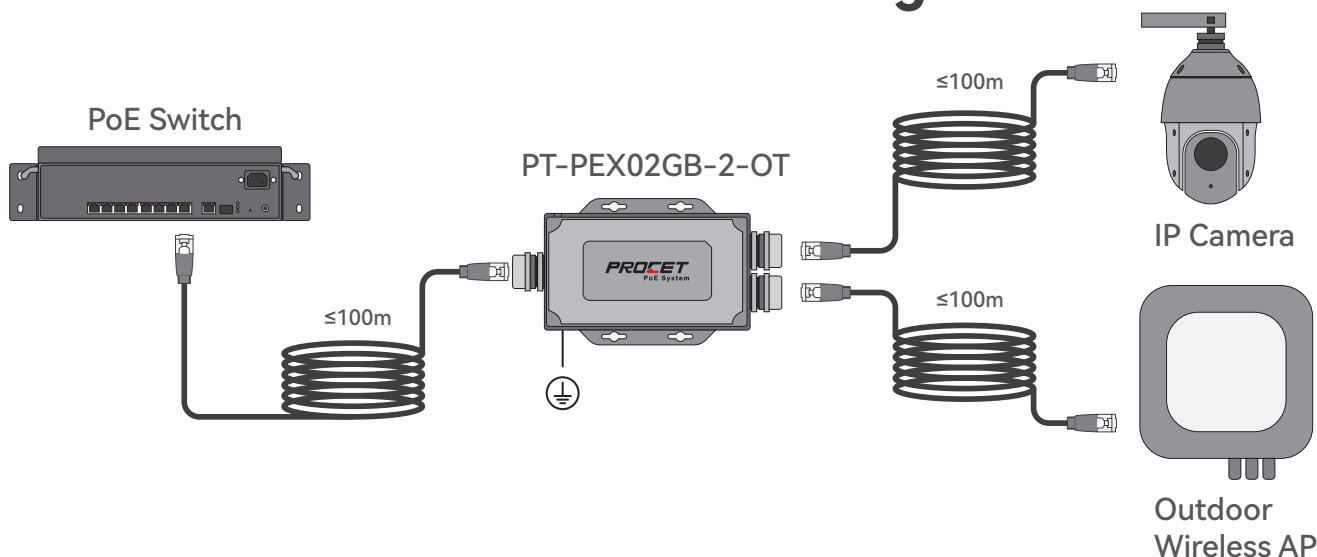
Product Introduction

PT-PEX02GB-2-OT is an industrial-grade 2.5G PoE network extender designed for harsh outdoor environments. With two PoE output ports, it supports flexible deployment for security monitoring, high-speed outdoor wireless access, and smart city projects, delivering stable long-distance power and data to two devices without additional power sources.

Constructed with a rugged aluminum-alloy housing, electromagnetic shielding, and white electrostatic coating, it meets **IP67** and IEC 60950-22 standards and operates reliably from **-40°C to +65°C**, ensuring strong resistance to dust, rain, and severe weather.

Supporting up to **2.5G outdoor wireless devices**, it offers high-speed data transmission over CAT5e/-CAT6, with 200m single-stage and up to 500m four-stage cascade capability. The device also integrates 6kV surge, 6kV contact / 8kV air ESD, and overcurrent protection for safe and reliable network operation.

Product Connection Diagram



Product Specification

Item	PT-PEX02GB-2-OT
PoE Output Interface	2*100/1000/2500MBase-T RJ45(with waterproof connector)
PoE Standard	IEEE802.3af/at/bt Power over Ethernet
Input	44~57Vdc Max 90W
Data Rate	100/1000/2500Mbps
Output	55Vdc 0.82A(Max)Single port Max 50W, total 88W
IPC	<2W
ESD Protection	6kV contact discharge; 8kV air discharge, Standard: IEC61000-4-2
Surge Protection	Protected Lines: 1,2,3,4,5,6,7,8 Common Mode Protection(10/700us): 6KV Differential Mode Protection(10/700us): 1.5KV Clamping Voltage (Line-to-Ground) : 300V Clamping Voltage (Line-to-Line) : 10V Insertion Loss (10MHz/100MHz) : -1db Return Loss (10MHz/100MHz) : -20db Response Time: 5ns
Switching Mode	Store-and-forward
Network Protocols	IEEE802.3 Ethernet IEEE802.3u Fast Ethernet IEEE802.3ab Gigabit Ethernet IEEE802.3i/IEEE802.3u/IEEE802.3ab/IEEE802.3z IEEE802.3bz
Trans. Distance	Extends 100m per extender Up to 4 cascaded levels, max distance 500m
Op Temp	-40°C — 65°C
Op Humid	10%-95%, non-condensing
Op Alt	Up to 5000m
Stor Temp	-40°C — 85°C
Stor Humid	10%-90%, non-condensing
Enclosure	Material: Aluminum alloy(metal sealing + waterproof)
Installation	Pole-mount (φ70~110mm) / Wall-mount (expansion screws)
Protection	IP67 (dust-proof & waterproof)
Size & Weight	194mmx101mmx41mm(532g)
Certification	CE FCC

Model Comparison Chart

Item	PT-PEX02GB-2-OT	PT-PEX02GB-OT
Data Rates	100/1000/2500Mbps	100/1000Mbps
Ports	PoE Input * 1 PoE Output * 2	
Output	55Vdc 0.82A(Max)Single port Max 50W, total 88W	
Cascading Capability	100 meters per level, up to 500 meters with 4-level cascading	
Protection Rate	IP67	
Dimensions	194mmx101mmx41mm	



**Procet Network
Technology Co. Ltd**

Email: sales@cxj.com.cn www.procetpoe.com