



PT-PSE100GFROA PoE Injector

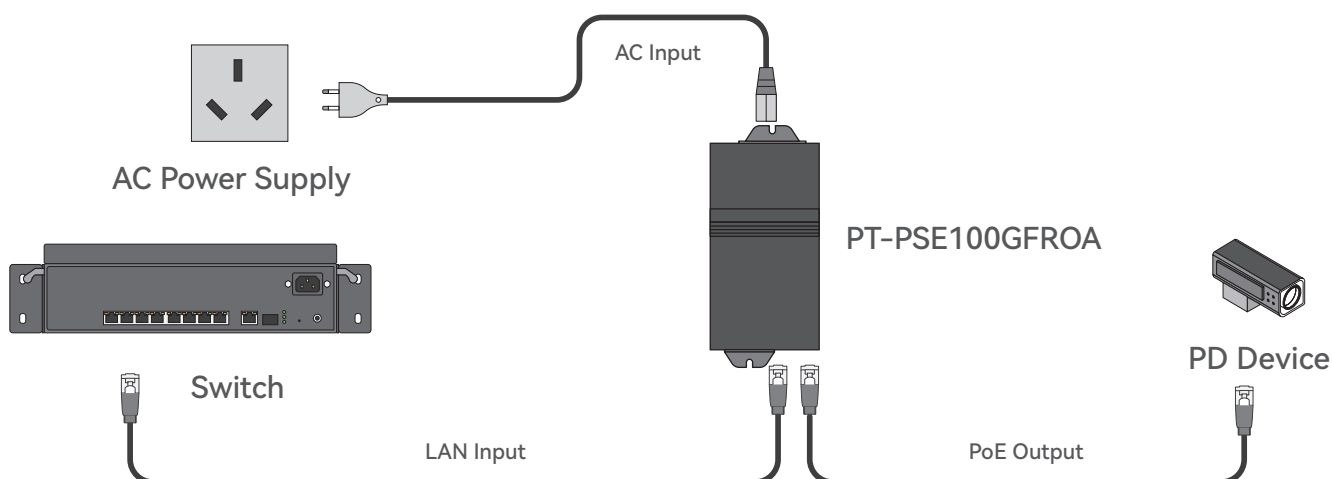
Product Introduction

The PT-PSE100GFROA is a compact, single-port Gigabit PoE injector delivering up to 15.4W to IEEE 802.3af-compliant Powered Devices such as IP cameras, wireless APs, IoT devices, POS terminals, and digital displays. It is ERP Energy Efficiency Class VI compliant for reduced power consumption and greater efficiency.

With an intelligent detection chip, it identifies and classifies devices before powering, protecting non-PoE equipment. It supports 100/1000Mbps data rates and transmits up to 100m over Cat5e/Cat6 cables.

Featuring a 90–264VAC input range, 6kV surge protection, and a flame-retardant IP40 enclosure, it is designed for indoor wall-mount installation and operates in temperatures from -40°C to +65°C.

Product Connection Diagram



Product Specification

Item	PT-PSE100GFROA
Ports	AC Input*1 PoE*1 LAN*1
PoE Standard	IEEE802.3af Power over Ethernet
Input	90-264Vac
PoE Output	48Vdc 0.32A 15.4W Max
Power Pins	4/5(+),7/8(-)
Energy Efficiency	≥85%
NLPC	≤0.1W
Surge Protection	AC Port Common Mode: 6KV Differential Mode: 4KV PoE Port Common Mode: 6KV Differential Mode: 1.5KV
Data Rate	100/1000Mbps
Network Protocol	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-Tx Fast Ethernet IEEE802.3ab 1000Base-T Gigabit Ethernet
Operate Temperature	-40°C — 65°C
Operate Humidity	20%-80%, non-condensing
Storage Temperature	-40°C — 85°C
Storage Humidity	10%-90%, non-condensing
Enclosure	Black Plastic
Installation	Wall-Mounted Installation
IP Rate	IP40
Size & Weight	124.05mm X 56mm X 31mm(146g)
Certification	CE/FCC/ERP

Model Comparison Chart

Item	PT-PSE100GFROA	PT-PSE100GFROA-10
Ports	AC Input*1 PoE*1 LAN*1	
PoE Standard	IEEE802.3af Power over Ethernet	
Data Rate	100/1000Mbps	100/1000Mbps 2.5G/5G/10Gbps
Input	90~264Vac	
IP Rates	IP40	
Size & Weight	124.05mm X 56mm X 31mm(146g)	



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