



PT-PSE109GBROA-VI PoE Injector

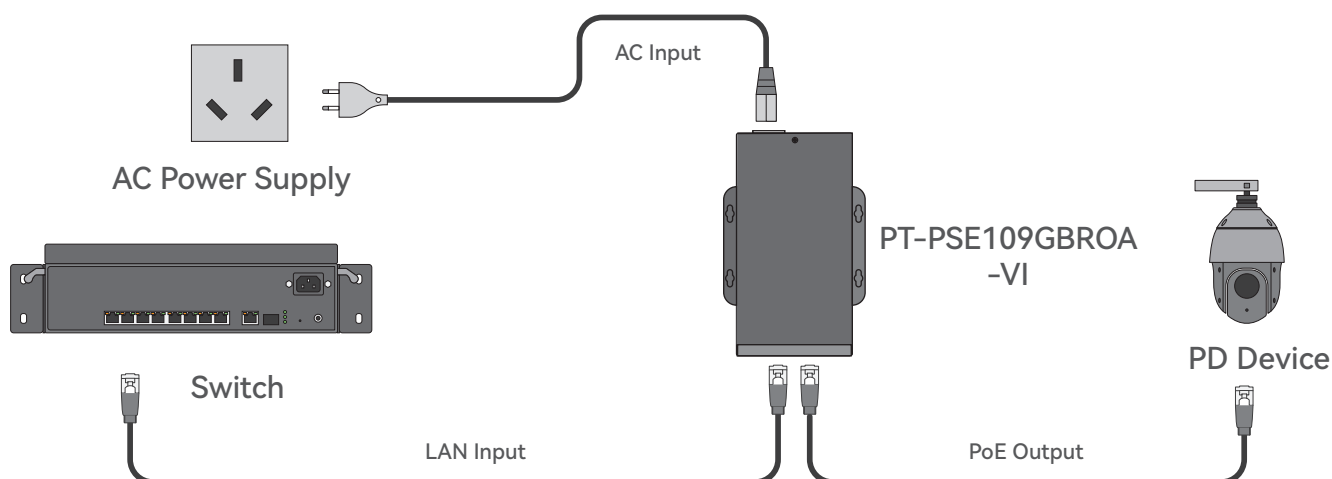
Product Introduction

The PT-PSE109GBROA-VI is a compact, single-port high power PoE injector delivering up to 95W to IEEE 802.3bt-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 10/100/1000Mbps data rates and transmits up to 100m over Cat5e/Cat6 cables.

Featuring a 90–264VAC input range, 6kV surge protection, and a flame-retardant IP20 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-PSE109GBROA-VI
Ports	AC Input*1 PoE*1 LAN*1
PoE Standard	IEEE802.3af/at/bt Power over Ethernet
Input	90-264Vac
PoE Output	55Vdc 1.72A 95W Max
Power Pins	4/5(+),7/8(-) and 3/6(+),1/2(-)
Energy Efficiency	≥88%
NLPC	≤0.21W
Surge Protection	AC Port Common Mode: 6KV Differential Mode: 4KV PoE Port Common Mode: 6KV Differential Mode: 1.5KV
EER	ERP Level VI
Network Protocol	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-Tx Fast Ethernet IEEE802.3ab 1000Base-T Gigabit Ethernet
Data Rate	100/1000Mbps
Operate Temperature	-40°C — 65°C
Operate Humidity	20%-80%, non-condensing
Operate Altitude	Below 5000 meters
Storage Temperature	-40°C — 85°C
Storage Himidity	10%-90%, non-condensing
Enclosure	Black Metal Case
Installation	Wall-Mounted Installation
IP Rate	IP20
Size & Weight	213.9mm X 134mm X 41mm(1120g)
Certification	CE/FCC/ERP Level VI

Model Comparison Chart

Item	PT-PSE109GBROA-VI	PT-PSE109GBROA-10-VI
Ports	AC Input*1 PoE*1 LAN*1	
PoE Standard	IEEE802.3af/at/bt Power over Ethernet	
Data Rate	100/1000Mbps	100/1000Mbps 2.5G/5G/10Gbps
Input	90~264Vac	
IP Rates	IP20	
Size & Weight	213.9mm X 134mm X 41mm(1120g)	



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