



Gigabit Active PoE to Passive 24V PoE Converter

10/100M
1000M

Compact
Size

Plug & Play



PSE202-ACP24

Key Features:

Gigabit Passthrough: Supports 10/100/1000 Mbps data rate with full transparency.

Standard PoE Input: Accepts IEEE 802.3af/at active PoE (48V) from any standard switch.

24V Passive Output: Delivers 24V DC over pins 4/5 (+) and 7/8 (-), matching legacy wireless devices.

Overload Protection: Built-in overcurrent and short-circuit safeguards protect connected equipment.

Flame-Retardant ABS Housing: Lightweight ABS plastic shell with V0 fire rating for enhanced safety.

Compact & Lightweight: Small form factor fits easily into tight enclosures and junction boxes.

Wide Operating Temperature: Reliably works from -30°C to +75°C for outdoor and industrial use.

Surge Protection: Integrated surge suppression defends against lightning-induced voltage spikes.

Versatile Applications: Ideal for powering wireless bridges, access points, and IP cameras that require 24V passive PoE.

Product Overview

The PSE202-ACP24 is an active-to-passive PoE converter that enables standard IEEE 802.3af/at switches to power 24V passive PoE devices — including wireless APs, outdoor bridges, and CPE radios.

It accepts 40–57V DC input and delivers regulated 24V output over pins 4/5 (+) and 7/8 (-), matching the pinout of most legacy wireless equipment. Full Gigabit throughput is preserved end-to-end, ensuring zero data loss for HD video and high-bandwidth links.

Housed in a flame-retardant ABS enclosure (V0 rated), the converter operates reliably from -30°C to +75°C, with built-in overload and surge protection for outdoor and industrial deployments. Plug-and-play by design, it requires no configuration — simply connect and power on.

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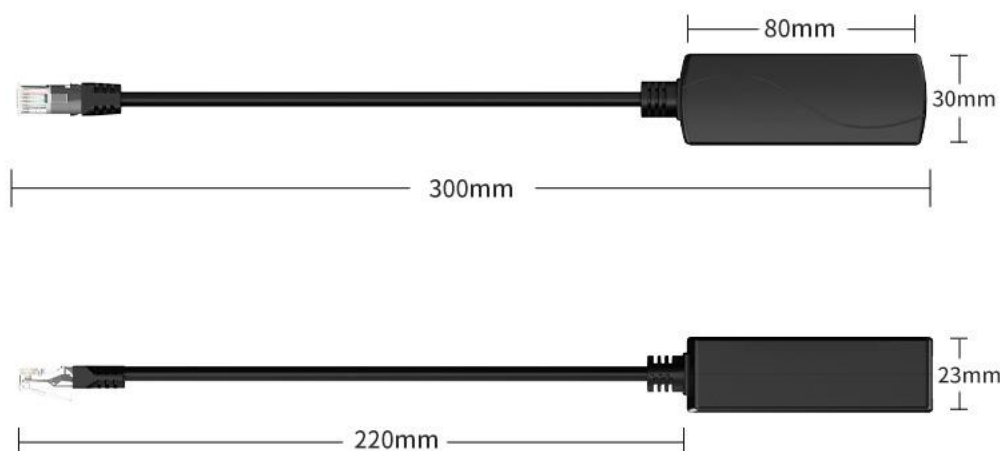
Technical Datasheet

Model	PSE202-ACP24
General & Physical Performance	
Product Name	Active PoE to Passive 24V PoE Converter
PoE Input Port	1 × 10/100/1000Base-T RJ45 (PoE PD)
PoE Output Port	1 × 10/100/1000Base-T RJ45 (24V Passive PoE Output)
Data Rate	10/100/1000 Mbps (Gigabit Ethernet)
Cable Compatibility	Cat5 / Cat5e / Cat6 / Cat6a
Ethernet Standards	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-T Fast Ethernet
	IEEE 802.3ab 1000Base-T Gigabit Ethernet
Housing Material	ABS (Flame-retardant, V0 rating)
ESD protection	4KV
Dimensions (L × W × H)	80 × 30 × 23mm (180mm pigtail)
Net Weight	0.15 kg (0.22 lbs)
Power Specifications	
PoE Input Standard	IEEE 802.3af / IEEE 802.3at (PoE / PoE+)
Input Type	Active PoE
Input Voltage Range	48 – 57V DC
Output Type	Passive PoE
Output Voltage Range	24V DC (Default) 12V/18V/36V can be customized
Output Current (Max)	1A
Maximum Output Power	24W
Output Pin Assignment	4, 5 (+), 7, 8 (–) — Mode B
Output Voltage Tolerance	±2%
Environmental & Reliability Ratings	
Operating Temperature	-30°C to +75°C
Storage Temperature	-40°C to +85°C
Operating Humidity	5% to 95% RH (Non-condensing)
Surge Standards	IEC 61643-21 / EN 61643-21 (Telecommunications & Signaling SPDs)
Certifications	CE, FCC, RoHS Compliant

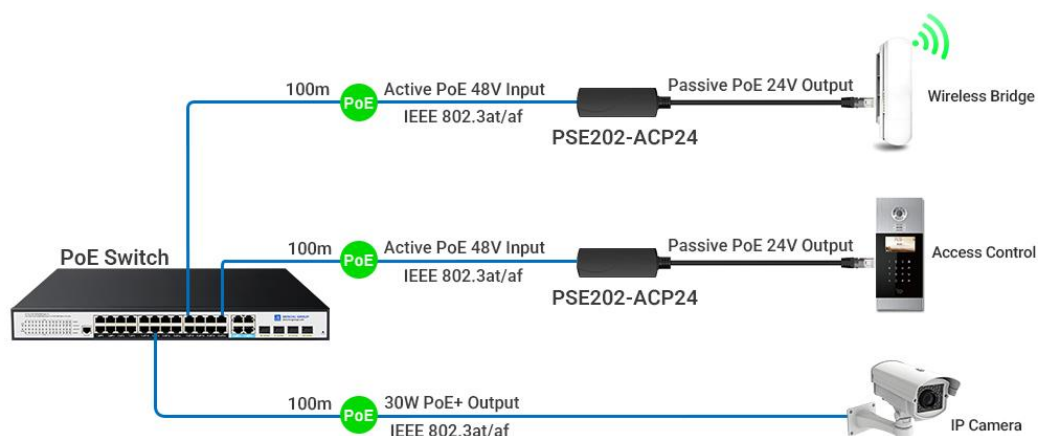
PSE202-ACP24

Gigabit Active PoE to Passive 24V PoE Converter

Structural Dimensions



Applications



Ordering Information

PSE202-ACP24

Gigabit active PoE to passive 24V PoE converter , 10/100/1000M, input IEEE802.3af/at, output 24V passive PoE

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