

C5029S
Pelco Model
Number: POE190-BT

POE190-BT Midspan

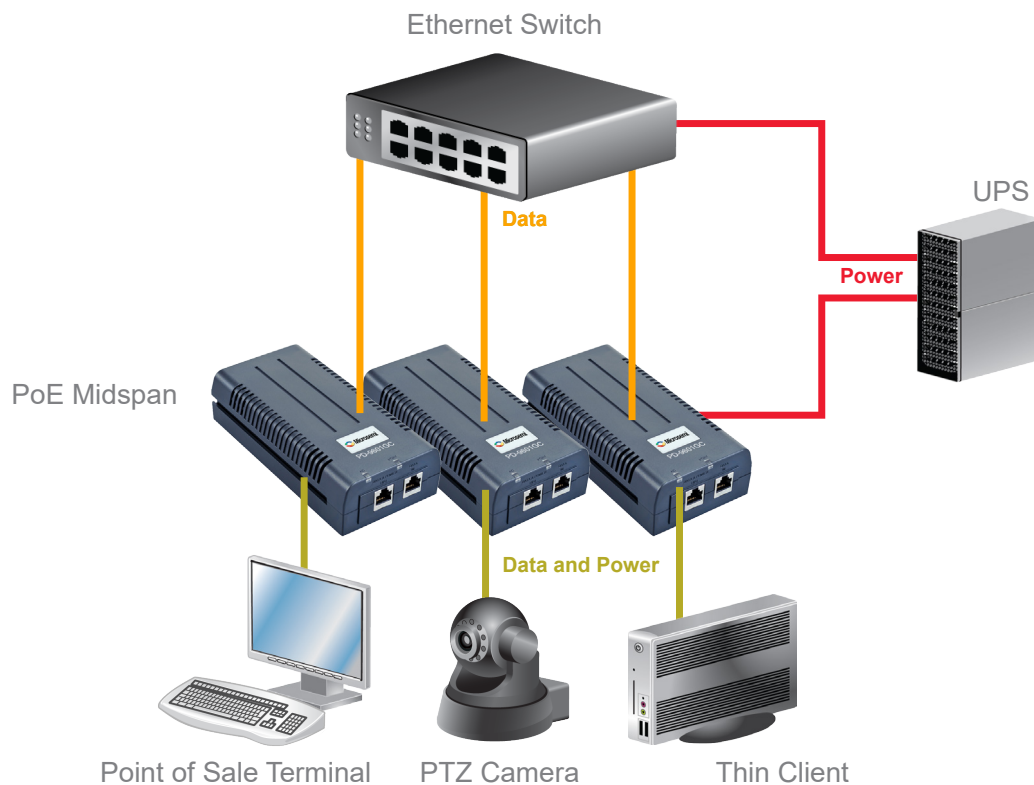
Single Port, IEEE 802.3BT Type 4, GbE, 90W 4-Pairs PoE Indoor Midspan

Summary

Microchip's POE190-BT is a single port indoor PoE injector that can provide up to 90W based on the IEEE 802.3bt standard, it is used for remote powering of current as well as emerging high power applications. The POE190-BT is designed to power PoE compliant devices such as IEEE 802.11ax access points, Pan-Tilt-Zoom (PTZ) and dome cameras, IP videophones, thin clients and other high-power Ethernet end terminals requiring up to 90W of power. The POE190-BT is IEEE 802.3bt type 4 and is also backward compatible and safe to use with any IEEE 802.3af/at terminal such as VoIP phones, IP cameras and wireless LAN access points, powering 10/100/1000Base-T devices. With the midspan's plug-and-play installation, they are easy and cost effective to implement leveraging existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

POE190-BT Features

- IEEE 802.3bt Type 4 standard compliant
- IEEE 802.3af/at backward compatible
- Up to 90W of power over 4-pairs
- Plug-and-play installation



Specifications

Feature	Description
No. of Ports	1
Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: Data Pairs 1/2 (-) and 3/6 (+) Spare Pairs 7/8 (-) and 4/5 (+) Output Power Voltage: 54 VDC User Port Power: 90W Guaranteed
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 1.35A @ 100–240 Vac AC Frequency: 50 to 60Hz
Dimensions	88.7 mm (W) × 43.9 mm (H) × 166.4 mm (L) 3.49 in × 1.73 in × 6.55 in
Weight	1.05 lbs (475g)
Indicators	System indicator AC Power: Green Channel Power Indicator: Green — Power delivered over 4 pairs Yellow — Power delivered over 2 pairs
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 14°F to 104°F (–10°C to +40°C) Operating Humidity: Maximum 95%, Non-condensing Storage Temperature: –4°F to +158°F (–20°C to +70°C) Storage Humidity: Maximum 95%, Non-condensing Operating Altitude: –1,000 ft. to 6561.6 ft. (–304.8m to 2,000m)
Reliability	MTBF: 100,000 hrs. @ 25°C
Thermal Rating	55 BTU/Hr (@ 100 Vac)
Warranty	1 year
Regulatory	IEEE 802.3bt Type 4 RoHS Compliant, WEEE Compliant CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55032 Class B (Emissions) EN 55024 (Immunity) VCCI
Safety	UL/EN/IEC 60950-1 (ed.2)

Ordering Information

Product Name	Description
POE190-BT (Pelco Model Number)	Single port, IEEE 802.3bt Type 4, GbE, 90W, 4-Pairs PoE indoor midspan



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