

90W



*This diagram showcases the PT-PIS4PB1S-AC-M product.

PT-PIS4PB1-AC Series

Industrial-grade PoE Switch

Product Overview

The PT-PIS4PB1-AC Series is an industrial-grade, DIN-rail mountable device with a built-in AC to DC power supply. It supports direct power input of 100-240VAC, delivering a total power of up to 200W. Alternatively, DC power input can be selected, providing up to 360W. However, simultaneous AC and DC power input is not recommended, as it may damage the device.

Equipped detecting chip inside will make the PoE identification handshake with IEEE802.3af/at/bt PDs. All PoE ports support data speeds of 10/100/1000Mbps. Each port delivers a maximum output power of 90W with 4KV surge protection, suitable for high-power PTZ cameras, outdoor wireless radios, and fixed detection cameras in both commercial and industrial environments. It operates reliably in temperatures ranging from -40°C to 75°C, with full-load startup capability at -40°C. It meets the EN55032 3m EMC testing standard, ensuring excellent electromagnetic immunity. Users can choose P/N with fiber uplink or Ethernet uplink.

Models with an "M" in the P/N include Ethernet and PoE management functionalities. It can be accessed and managed via a web browser, supporting configurations such as IP settings, port settings, VLAN settings, PoE settings, and factory reset. Users can also view device information, including switch status, port status, and PoE status. Additionally, the PoE ports allow for scheduling timed power on/off operations.



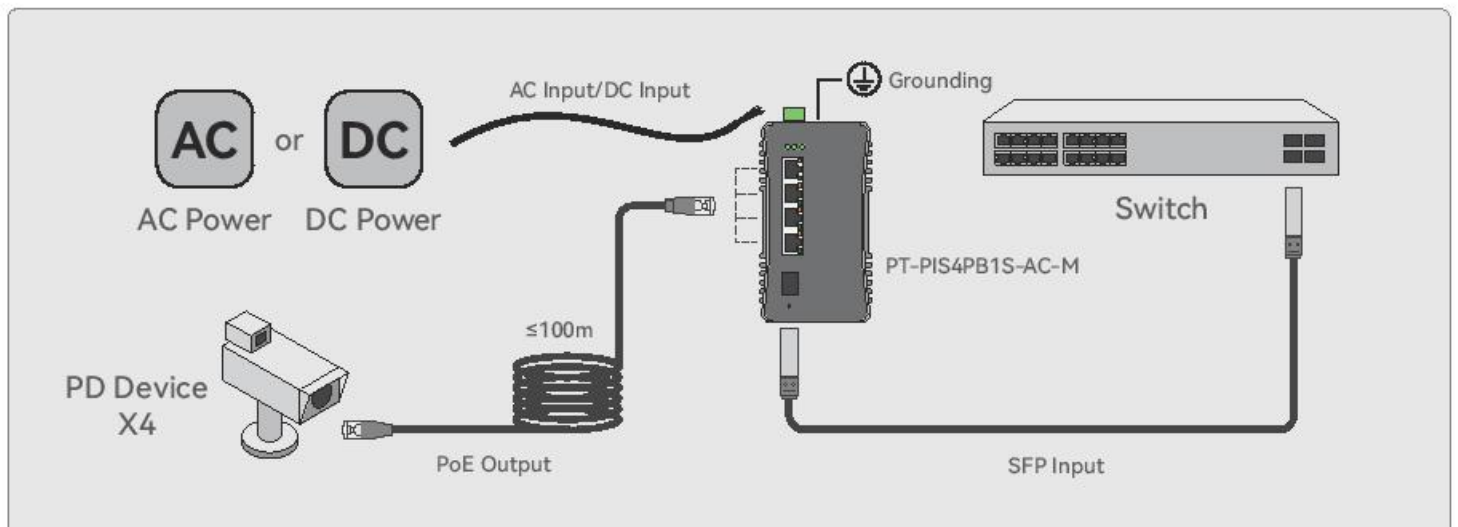
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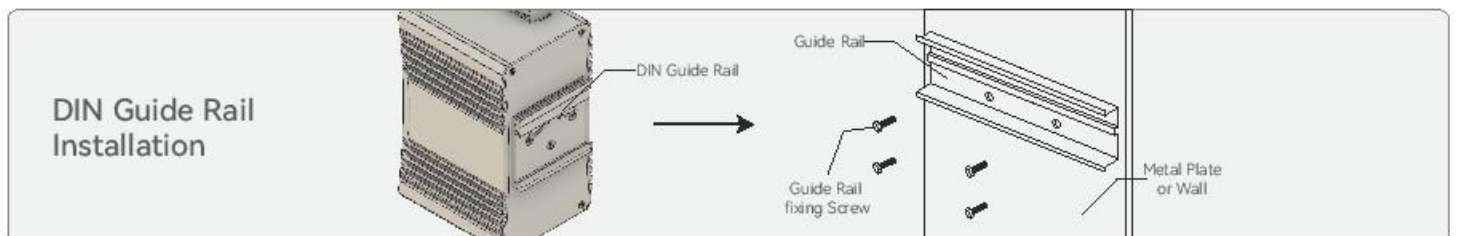
The Differences between AC Power Input Series Products

Model	PoE Standard	Input	Output	Power Pins	Managed	Port
PT-PIS4PB1S-AC	IEEE802.3af/at/bt	Input 1: 100-240Vac 2.0A(Max)	Output 1: 55Vdc 1.64A(Max) per port, Total 200W	4,5(+)/7,8(-) 3,6(+)/1,2(-)	N	AC/DC*1 + SFP*1 + PoE*4 + Grounding*1
PT-PIS4PB1T-AC					N	AC/DC*1 + LAN*1 + PoE*4 + Grounding*1
PT-PIS4PB1S-AC-M		Input 2: 48-55Vdc 7.5A(Max)	Output 2: 48-55Vdc 1.64A(Max) per port, Total 360W		Y	AC/DC*1 + SFP*1 + PoE*4 + Grounding*1
PT-PIS4PB1T-AC-M		Y	AC/DC*1 + LAN*1 + PoE*4 + Grounding*1			

Connected Diagram



DIN Guide Rail Installation



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Specifications

Standard	IEEE802.3i 10Base-T Ethernet
	IEEE802.3u 100Base-Tx Fast Ethernet
	IEEE802.3ab 1000Base-T Gigabit Ethernet
	IEEE802.3Z:1000Base-LX
	IEEE802.3af/at/bt
Input & Output	Interface: AC/DC*1, SFP/LAN*1, PoE*4, Grounding*1
	Input 1: 100-240Vac 2.0A(Max) Input 2: 48-55Vdc 7.5A(Max)
	Output 1: 55Vdc 1.64A(Max) per port, Total 200W Output 2: 48-55Vdc 1.64A(Max) per port, Total 360W
	PoE Power Pins: 4,5(+)/7,8(-) 3,6(+)/1,2(-)
	Data Rates: RJ45 Ports 10/100/1000Mbps, SFP 1000Mbps
Switching Parameters	PoE Surge Protection: Common mode: 4KV Differential mode: 1.5KV
	Forwarding Mode: Store and Forward
	Backplane Bandwidth: 14Gbps
	MAC Address Capacity: 10K
	Packet Forwarding Rate: 7×1.488Mpps
Mechanical Characteristics	Operating Temperature: -40°C to 75°C
	Operating Humidity: 5% to 95%, non-condensation
	Case: Metal Case
	Color: Silver/Black
	IP Rate: IP40
	Sizes: 76mm X 95mm X 146mm
Weight: 1204g	

The network management parameters (only for Models with an “M” in the P/N)

Network Management	Compliant with IEEE 802.1d standard
	Supports automatic MAC address learning
	Supports high-speed, non-blocking QoS architecture for four traffic classes
	Each port can choose Strict, Weighted, Mix QoS
	Supports 4096 VLAN IDs
	Supports 802.1Q VLAN
	Supports VLANs based on port across any combination of multiple chips



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