IPES-0008-4

8 10/100TX with 4 PoE Injectors 24~48VDC Industrial Switch

- *Complies with IEEE802.3af PoE standard*
- *Input 24V~48VDC redundant power design boosting to 48VDC output*
- *Wide operating temperature range from -40℃ to 75℃*

OVERVIEW

The Lantech IPES-0008-4 is an unmanaged industrial switch supporting PoE (Power over Ethernet) function on port 1 to port 4, in which it complies with IEEE 802.3af and provide up to 15.4 watts power output per port. IPES-0008-4 supports IEEE802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDI-X auto-negotiation and provides a power fault relay warning function when power failures occur.

Lantech IPES-0008-4 is designed specially with tough environment where only 24VDC power is accessible by boosting input 24VDC to 48VDC output then feeding power through Ethernet cable to power devices (PD).
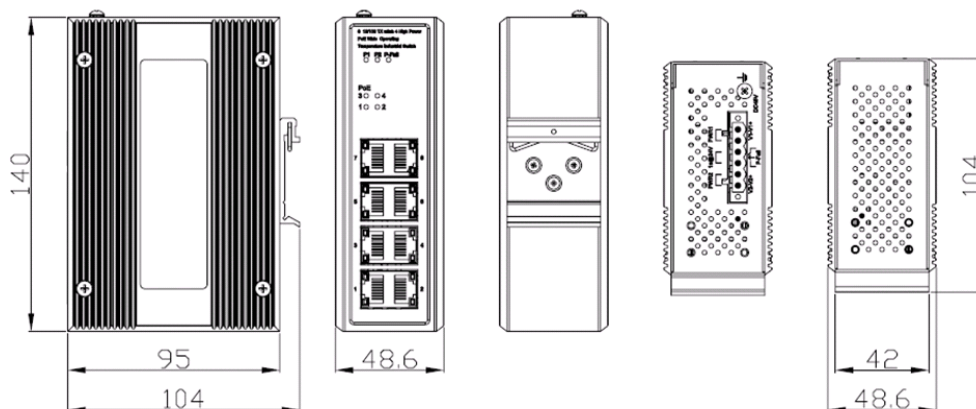
Lantech IPES-0008-4 meets with critical network environment with IP 30 enclosure and test under extensive Industrial EMI and Safety standards. It also passed stability testing such as free fall, shock and vibration.

Lantech IPES-0008-4 is the best Industrial switch to connect with IP Camera, Wireless Equipments where are placed outdoor or in tight space cabinet with 24VDC power source. It can be used in extreme environments with an operating temperature range of -40°C to 75°C.

FEATURES & BENEFITS

- **Back-plane (Switching Fabric): 1.6Gbps**
- **Provides 10/100TX Ethernet Connection**
- **Provides 4-port PoE Output**
- **PoE Supports IEEE802.3af Standard**
- **Provides Fault Relay Output**
- **24/48V_{DC} Redundant Power Input and 48V_{DC} Output**
- **Wide-range Operating Temperature: -40°C ~75°C**

DIMENSIONS (unit=mm)

Side View   **Front View**   **Rear View**   **Top View**   **Bottom View**

SPECIFICATION

IEEE Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet IEEE802.3x Flow Control and Back Pressure IEEE802.3af Power over Ethernet	Power Input	DC 24/48V, Redundant power input with polarity protection.
Switch Architecture	Back-plane: 1.6Gbps	Power Consumption	72 Watts max. @ 48 V_{DC} 69.4 Watts max. @ 24 V_{DC}
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port	Relay Output	1A @ 24V_{DC}, P-Fail detection for power fail
Connector	10/100TX: 8 x RJ-45 with auto MDI/MDI-X function Power & P-Fail connector: 1 x 6-pole terminal block	Power Connector	6-pole terminal block x 1
		PoE Power Output	15.4 Watts max. @ 48 V_{DC}
PoE pin assignment	RJ-45 port # 1~# 4 support IEEE 802.3af End-Span, Alternative A mode. Per port provides 15.4W (MAX) which depends on the power consumption of the PD. Positive (VCC+): RJ-45 pin 1, 2. Negative (VCC-): RJ-45 pin 3, 6. Data (1,2,3,6)	Operating Humidity	5% to 95% (Non-condensing)
		Operating Temperature	-40°C~75°C / -40°F~167°F
		EMI &EMS	FCC Class A, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN-61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8, CE EN61000-6-2, CE EN61000-6-4
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5/ 5E cable EIA/TIA-568 100-ohm (100m)		
		Safety	UL/cUL 508
Protocol	CSMA/CD	Stability Testing	IEC60068-2-32(Free fall), IEC60068-2-27(Shock), IEC60068-2-6(Vibration)
Packet Buffer	56Kbytes		
MAC Address	2K MAC address table	MTBF	241413 hrs
Case Dimension	IP-30, 48.6mm (W) x 140mm (H) x 95mm (D)	Warranty	5 years
Installation	DIN Rail & Wall Mount Design		
LED	Per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red), PoE (Green) Ethernet: Link/Activity (Green), Speed (Green)		

*Future release
**Optional

ORDERING INFOMATION

■ **IPES-0008-4...…………...…….…....…...P/N: 8450-560**
8 10/100TX with 4 PoE Injectors 24~48VDC Industrial Switch

OPTIONAL ACCESSORIES

DIN Rail Power

■ **AD1048-24FS** 24VDC, 2A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C
■ **AD1024-24F** 24VDC, 1A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C
■ **AD1240-48S** 48VDC, 5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C
■ **AD1120-48F** 48VDC, 2.5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C