

IPES-0005T-4-H

5-Port 10/100TX with 4 High Power PoE Injector

Industrial Switch

- Complies with IEEE802.3af PoE standard
- Redundant power supply with overload current protection
- Wide operating temperature range from -40 °C to 75 °C (-E model)
- Provides 3K VDC EFT & 6K VDC ESD protection
- High power output provides up to 25W per port



OVERVIEW

The Lantech IPES-0005T-4-H is a 5-port 10/TX with 4 High Power PoE Injector Industrial Switch for plug-and-play installation. This slim switch is designed with Wall-mountable or DIN rail mountable, making installation more easy.

The IPES-0005T-4-H is the high power model which provides higher power output up to 25W per port for devices that require higher power supply.

Besides redundant power supply equips with overload current protection, IPES-0005T-4-H supports EFT protection for 3000VDC power and 6000VDC Ethernet ESD protection, which can reduce unstable environment damage caused by power line and Ethernet. Featured with relay contact to alarm system

function, the IPES-0005T-4-H can immediately notify of power failure event.

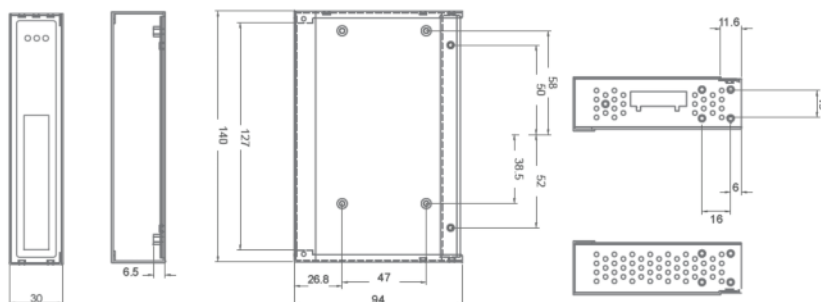
The IPES-0005T-4-H is designed to meet with critical network environment with IP 30 enclosure and test under extensive Industrial EMI and Safety standards. It also passed stability testing such as free fall, shock and vibration.

The Lantech IPES-0005T-4-H is the best Industrial switch to connect with IP Camera, Wireless Equipments where are placed outdoor or in tight space cabinet. The -E model can be used in extreme environments with an operating temperature range of -40°C to 75°C.

FEATURES & BENEFITS

- **System Interface/Performance**
 - RJ-45 port support Auto MDI/MDI-X Function
 - Embedded 4-port PoE Injector Function
 - Store-and-Forward Switching Architecture
 - Back-plane (Switching Fabric): 1.0Gbps
 - 2K MAC address table
- **Supports Wide Operating Temperature (-40°C~75°C)**
- **IP-30 Metal Housing with DIN Rail and Wall Mount Design**
- **Power Supply**
 - DC 48V Redundant Power
 - Polarity reverse protection & removable terminal block
- **Provides EFT protection 3000 VDC for power line**
- **Supports 6000 VDC Ethernet ESD protection**

DIMENSIONS (unit=mm)



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 Consumption	1.6 Watts (Unload) 3.3 Watts (Full load: Only Ethernet) 55.3 Watts (Full load: Only PD load) 57 Watts (Full load) 97 Watts (Full load with PoE - High Power model)
Switch Architecture	Back-plane (Switching Fabric): 1.0Gbps Packet throughput ability (Full-Duplex): 1.488Mpps @64bytes	Overload current protection	Present
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port	Operating Humidity	5% to 95% (Non-condensing)
MAC Address	2K MAC address table	Operating Temperature	-20°C~60°C / -4°F~140°F (Standard model) -40°C~75°C / -40°F~167°F (-E model)
Connectors	10/100TX: 5 x RJ-45 with auto MDI/MDI-X function Support 4 PoE injector function	EMI & EMS	FCC Class A, CE EN61000-4-2(ESD), CE EN61000-4-3(RS), CE EN61000-4-4(EFT), CE EN61000-4-5(Surge), CE EN61000-4-6(CS), CE EN61000-4-8, CE EN61000-4-11, CE EN61000-6-2, CE EN61000-6-4
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5, 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5, 6 cable EIA/TIA-568 100-ohm (100m)	Safety	UL, cUL, CE/EN60950-1
PoE PIN Assignment	RJ-45 port #1 - #4 support IEEE 802.3af End-point; Alternative A mode. Positive (VCC+): RJ-45 pin 1,2 Negative (VCC-) : RJ-45 pin 3,6 Data (1,2,3,6)	Stability Testing	IEC60068-2-32(Free fall), IEC60068-2-27(Shock), IEC60068-2-6(Vibration)
Protocol	CSMA/CD	MTBF	443153 hrs
Case Dimension	Metal case, IP-30; 30mm(W)x95mm(D)x140mm(H)	Warranty	5 years
Weight	648 g		
LED	Per unit: Power 1 (Green), Power 2(Green), Fault(Red) Per port: Link/Activity (Green), Full duplex/Collision (Yellow)		
Power Supply	48VDC (45~56VDC), -48VDC (-45~ -56VDC), Redundant power with polarity reverse protect function and removable terminal block		

*Future release
**Optional

ORDERING INFORMATION

- **IPES-0005T-4-H.....P/N: 8350-918**
5 10/100TX w/4 PoE Injector Industrial Switch; -20°C~60°C; High Power Model
- **IPES-0005T-4-H-E.....P/N: 8350-919**
5 10//100TX w/4 PoE Injector Industrial Switch; -40°C~75°C; High Power Model

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 (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 18 Watts at 75°C.)
- **AD1024-24F** 24VDC, 1A, Wide AC Input, Convection Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 75°C, which means the output is 9 Watts at 75°C.)
- **AD1240-48S** 48VDC, 5A, Wide AC Input, Build-in fan Cooled, DIN Rail or Wall Mounted, RoHS, Operating Temp. -20°C~50°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°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 (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

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