IPES-0005T-4

5-Port 10/100TX with 4 PoE Injector Industrial Switch

- *Complies with IEEE802.3af PoE standard*

- *Redundant power supply with overload current protection*

- *Wide operating temperature range from -40℃ to 75℃ (-E model)*

- *Provides 3K VDC EFT & 6K VDC ESD protection*

- *High power model provides up to 25W power output per port*

OVERVIEW

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

Besides redundant power supply with overload current protection, the IPES-0005T-4 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 can immediately notify of power failure event.

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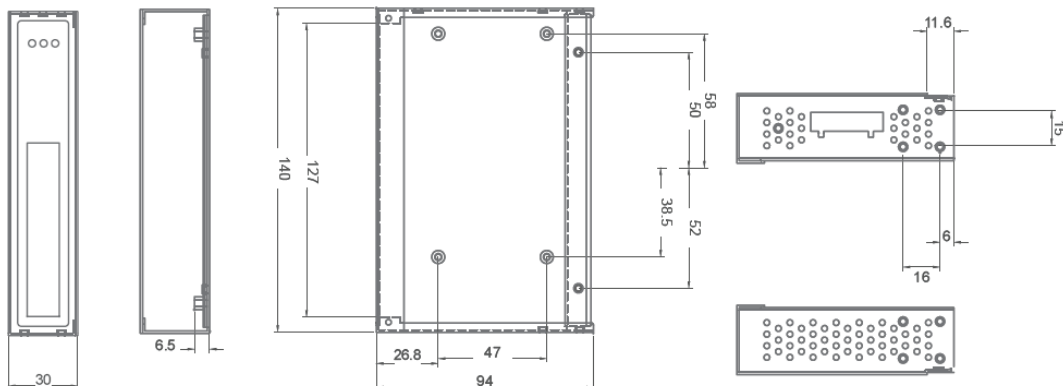
The Lantech IPES-0005T-4 is the best Industrial switch to connect with IP Camera, Wireless Equipments where are placed outdoor or in tight space cabinet. The -E model can be used in extreme environments with an operating temperature range of -40℃ to 75℃.

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.

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
Switch Architecture	Back-plane (Switching Fabric): 1.0Gbps Packet throughput ability (Full-Duplex): 1.488Mpps @64bytes
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
MAC Address	2K MAC address table
Connectors	10/100TX: 5 x RJ-45 with auto MDI/MDI-X function Support 4 PoE injector function
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)
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)
Protocol	CSMA/CD
Case Dimension	Metal case,IP-30; 30mm(W)x95mm(D)x140mm(H)
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
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)
Overload current protection	Present
Operating Humidity	5% to 95% (Non-condensing)
Operating Temperature	-20°C~60°C / -4°F~140°F (Standard model) -40°C~75°C / -40°F~167°F (-E model)
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
Safety	UL, cUL, CE/EN60950-1
Stability Testing	IEC60068-2-32(Free fall), IEC60068-2-27(Shock), IEC60068-2-6(Vibration)
MTBF	443153 hrs
Warranty	5 years

*Future release
**Optional

ORDERING INFOMATION

- **IPES-0005T-4**...............................**P/N: 8350-910**
  5 10/100TX w/4 PoE Injector Industrial Switch; -20°C~60°C
- **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-E**...........................**P/N: 8350-916**
  5 10//100TX w/4 PoE Injector Industrial Switch; -40°C~75°C
- **IPES-0005T-4-E-H**.........................**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)