

IPES-0008A (48V)

8 10/100TX w/ 8 Booster PoE at/af Injector Industrial Switch

- *Conforms to IEEE 802.3at/af PoE standard*
- *PoE power budget 240W(48V)*
- *Relay Alarm Output System Events*
- *-40~75C Wide Operation Temperature(-E model)*
- *Supports ISO-7637 Pulse5*



OVERVIEW

The Lantech IPES-0008A is an 8 10/100BaseTX industrial switch w/8 booster POE at/af Injectors. The Lantech IPES-0008A is able to feed each PoE port up to 15.4Watts/30Watts with total PoE power budget 240W(48V input). It also supports relay contact to connect with alarm system in case of power or port failure.

Lantech IPES-0008A is designed to meet the demands of vehicle and industrial environments, comes packaged in a

robust IP30 housing and has been tested extensively to meet Industrial EMI and EMC standards. Rigorous mechanical testing has also been undertaken to comply with free fall, shock and vibration stability test requirements, which ensure long term reliability in critical industrial environments.

The switch also supports ISO-7637 Pulse5 that protects switch from being damaged by high voltage that could be found at vehicle cranky start.

FEATURES & BENEFITS

System Interface/Performance

- RJ-45 port support Auto MDI/MDI-X Function
- Embedded 8-port booster PoE injectors function
- IEEE 802.3af/at Standards
- Back-plane (Switching Fabric): 1.6Gbps
- 1Mbits Packet Buffer
- 8K MAC Address Table
- Support standard operating temperature (-20°C~60°C)
- Wide operating temperature(-40°C~75°C)

Power Supply

- Redundant Power Design
- 48V input with Poe budget 240W

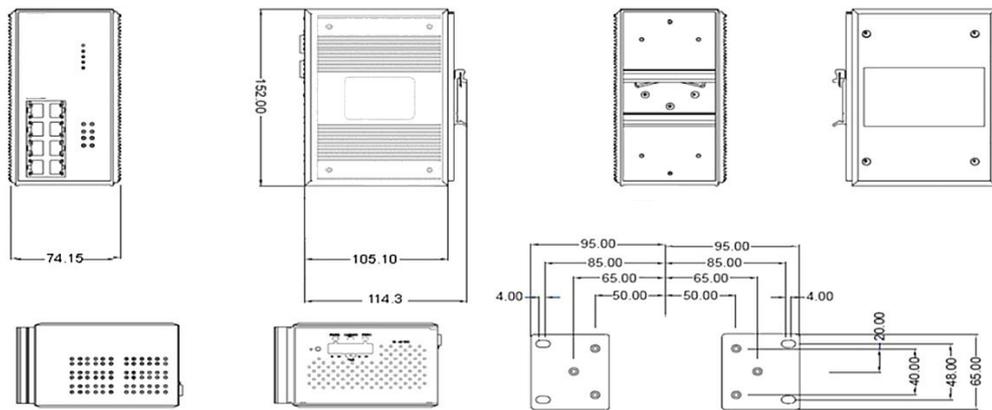
Case/Installation

- IP-30 Protection
- DIN Rail and Wall Mount Design**

Relay Alarm

- Relay output for port breakdown, power fail and alarm

DIMENSIONS (unit=mm)



SPECIFICATION

Hardware Specification		
IEEE Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x Flow Control and Back Pressure IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet	fail and alarm. Alarm Relay current carry ability: 1A @ DC24V
Switch Architecture	Back-plane (Switching Fabric): 1.6Gbps Packet throughput ability(Full-Duplex): 8.3Mpps @64bytes	Power Supply External Power Supply: DC 48V, Redundant power DC 48V and connective removable terminal block.
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port	Power Consumption 10 Watts (Max.); POE Power Budget:240 Watts (48V input)
Packet Buffer	1Mbits	Operating Humidity 5% ~ 95% (Non-condensing)
MAC Address	8K MAC address table	Operating Temperature Standard: -20°C~60°C /-4°F~140°F Wide Operating Temperature for E models: -40°C~75°C / -40°F~167°F
Connectors	10/100TX: 8 x RJ-45	Storage Temperature -40°C~85°C / -40°F~185°F
Network Cable	10Base-T: UTP/STP Cat. 3, 4, 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: UTP/STP Cat. 5/ 5E/ 6 cable EIA/TIA-568 100-ohm (100m)	Case Dimension IP-30, 74mm (W) x 115mm (D) x 152mm (H)
Protocol	CSMA/CD	Installation Provide DIN rail kit for DIN-type cabinet install Optional wall mount kit
PoE pin assignment	RJ-45 port # 1~#8 support IEEE 802.3af/at End-point, Alternative A mode. Per port provides 15.4W/30W ability. Positive (VCC+): RJ-45 pin 1,2. Negative (VCC-): RJ-45 pin 3,6.	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 EN61000-4-11, CE EN61000-4-12, CE EN61000-6-2, CE EN61000-6-4
LED	Per unit: Power (Green), Power 1 (Green), Power 2 (Green), Fault (Red), 8 port 10/100: Link/Activity (Green), Full duplex/Collision (Yellow), Power Feeding (Green)	Stability Testing IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
Relay Output	Provides one relay output for port breakdown, power	Warranty 5 years

*Future Release

**Optional

ORDERING INFORMATION

- **IPES-0008A.....P/N: 8350-756**
8 10/100TX w/ 8 48VDC PoE at/af Injector Industrial Switch; -20~60C
- **IPES-0008A-E.....P/N: 8350-757**
8 10/100TX w/ 8 48VDC PoE at/af Injector Industrial Switch; -40~75C

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)
- **AD1240-48S-5** 48~56VDC, 4.3A, 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)
- **AD1360-48S-5** 48~56VDC, 6.5A, 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)
- **AD1500-48S-5** 48~56VDC, 9A, 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)

Wall Mount Bracket

- **MBEAR001** Wall mount bracket for 74(W) x 114 (D) x 152 (H) mm Industrial switches

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