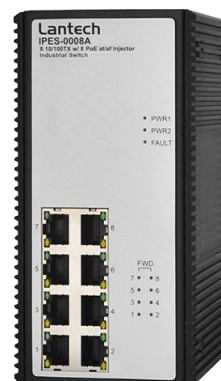


IPES-0008A-12V

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

- *Conforms to IEEE 802.3at/af PoE standard*
- *Input voltage 12V~48V, Output voltage 48V PoE*
- *PoE power budget 240W(48V); 90W(12V);120W(24V)*
- *Relay Alarm Output System Events*
- *-40~75C Wide Operation Temperature(-E model)*
- *Supports ISO-7637 Pulse5*



OVERVIEW

The Lantech IPES-0008A-12V is an 8 10/100BaseTX industrial switch w/8 booster POE at/af Injectors. Equipped with DC 12~48V redundant input power, the Lantech IPES-0008A-12V is able to boost input voltage from 12V to 48V then feed each PoE port up to 15.4Watts/30Watts with total PoE power budget 240W(48V input),120W(24V input) and 90W(12V input). It also supports relay contact to connect with alarm system in case of power failure.

Lantech IPES-0008A-12V 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. It is the most suitable PoE switch for bus, carriage, other vehicles and industrial areas where the power source is limited with 12V or 24V but has demand of surveillance or VoIP applications.

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
- 12V input with PoE budget 90W
- 24V input with PoE budget 120W
- 48V input with PoE budget 240W

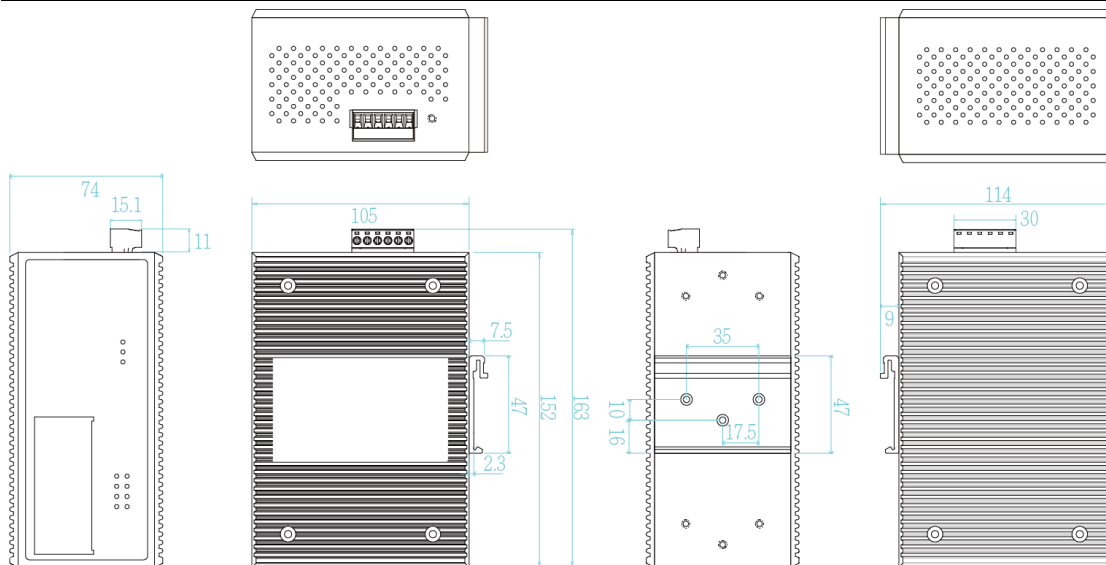
Case/Installation

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

Relay Alarm

- Relay output for power fail and alarm

DIMENSIONS (unit=mm)



SPECIFICATION

Hardware Specification		Power Supply	External Power Supply: DC 12–48V, Redundant power D12V–DC 48V and connective removable terminal block.
IEEE Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX IEEE802.3x Flow Control and Back Pressure IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet	Power Consumption	10 Watts (Max.); POE Power Budget:240 Watts (48V input); 90W(12V); 120W(24V input)
Switch Architecture	Back-plane (Switching Fabric): 1.6Gbps	Operating Humidity	5% – 95% (Non-condensing)
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port	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
Packet Buffer	1Mbits	Storage Temperature	-40°C–85°C / -40°F–185°F
MAC Address	8K MAC address table	Case Dimension	IP-30, 74mm (W) x 105mm (D) x 152mm (H)
Connectors	10/100TX: 8 x RJ-45	Installation	Provide DIN rail kit for DIN-type cabinet install Optional wall mount kit
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)	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 EN55022 Class A, CE EN55024
Protocol	CSMA/CD	Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
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.	MTBF	842,802 hours
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)	Warranty	5 years
Relay Output	Provides one relay output for power fail and alarm. Alarm Relay current carry ability: 1A @ DC24V		

*Future Release
**Optional

ORDERING INFORMATION

- **IPES-0008A-12V.....P/N: 8350-752**
8 10/100TX w/ 8 Booster PoE at/af Injector (12~48V) Industrial Switch; -20~60C
- **IPES-0008A-12V-E.....P/N: 8350-753**
8 10/100TX w/ 8 Booster PoE at/af Injector (12~48V) Industrial Switch; -40~75C
- **IPES-0008A-48V.....P/N: 8350-756**
8 10/100TX w/ 8 48VDC PoE at/af Injector Industrial Switch; -20~60C
- **IPES-0008A-48V-E.....P/N: 8350-757**
8 10/100TX w/ 8 48VDC PoE at/af Injector Industrial Switch; -40~75C

OPTIONAL ACCESSORIES

DIN Rail Power

- **NDR-480 Series** 480W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)
- **NDR-240 Series** 240W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)
- **NDR-120 Series** 120W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C; For 115VAC, please refer to derating curve on NDR-120 Series datasheet)
- **NDR-75 Series** 75W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2 ; Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C; For 115VAC, please refer to derating curve on NDR-120 Series datasheet)

Wall Mount Bracket

- MBAK19003** Wall mount bracket for 74(W) x 105 (D) x 152 (H) mm / 96 (W) x 105 (D) x 152 (H) mm Industrial switches
- MBAK19004** 19" Rack Mounting Kit for 74x105x152mm/74x135x152mm Industrial Switch

Lantech Communications Global Inc.

www.lantechcom.tw
info@lantechcom.tw

© 2013 Copyright Lantech Communications Global Inc. all rights reserved.
The revise authority rights of product specifications belong to Lantech Communications Global Inc.
Lantech may make changes to specification and product descriptions at anytime, without notice.