OPT-IES2008P
Industrial Ethernet Switch

8*10/100/1000Base-Tx(PoE)

RoHS Compliant

>>Description

OPT-IES2008P is OPTONE produced unmanaged 8-port PoE switches, providing 8-10/100/1000Base-TX PoE ports compliant with IEEE802.3af and IEEE802.3at. While transmitting data over the cable, each PoE port can output 30 watts to PoE terminals directly, eliminating the need for additional wiring.

OPT-IES2008P supports wide operating temperature range from -40°C to 85°C, metal housing with IP40 protection class and redundant power inputs, becoming an economical and harsh environment resistant solution for the ITS, video surveillance and other automation applications.

>>Main Features

- Both standard and wide operating temperature

- Complies with IEEE 802.3, IEEE 802.3u/z/ab/z

- IEEE 802.3at/af PoE standard compliance

- Support PD detection and PD classification

- Maximum frame size of 1632 bytes

- Supports auto MDI/MDIX function

- Supports DIN-Rail and hang wall mounting

- Status LED for easy monitoring of device status

- Support 8k MAC address

- Support dual power supply backup

- IP40 protection class

>>Specifications

Interface
- 8 x Ethernet+PoE port (RJ45) 10/100/1000Base-Tx

Ethernet Port
- Available speed: force 10Mbps, force 100Mbps, force 1000Mbps and auto-detective 10/100/1000Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

Standard
- IEEE802.3 (10Base-T)
- IEEE802.3u (100Base-TX/FX)
- IEEE802.3ab (1000Base-T)
- IEEE802.3z (1000Base-SX/LX/CX/T)
- IEEE802.3af (Power over Ethernet Standard)
- IEEE802.3at (Power over Ethernet Enhancements Standard)

Switch Properties
- MAC Table: 8K
- Packet Buffer: 1Mbit
- Switching Delay: <5μs

LED Indicators
- Power Status, Speed Status, TX Link/Act

PoE Specification
- Power Output: PoE 48V DC
- PoE Power Supply type: End-Span
- Power Pin Assignment: 1/2(+), 3/6(-)
- PoE Power Budget: Each port provides max 30W feed power

Power Requirement
- Input: 48V DC
- Consumption：MAX 11W(no PD), 251W(full PD)
- Reverse Connection Protection: Support
- Redundancy Protection: Support

Physical Characteristics
- Housing: Metal enclosure
- Protection Class: IP40
- Dimensions: 53 x 165 x 145mm
- Weight: 0.9kg
- Installation: DIN-Rail or Panel mounting

Environmental Limits
- Operating Temperature: -40°C to 85°C
- Storage Temperature: -40°C to 85°C
- Operating Humidity: 10% to 95% RH (non-condensing)
- Storage Humidity: 5% to 95% RH (non-condensing)

Agency Approvals
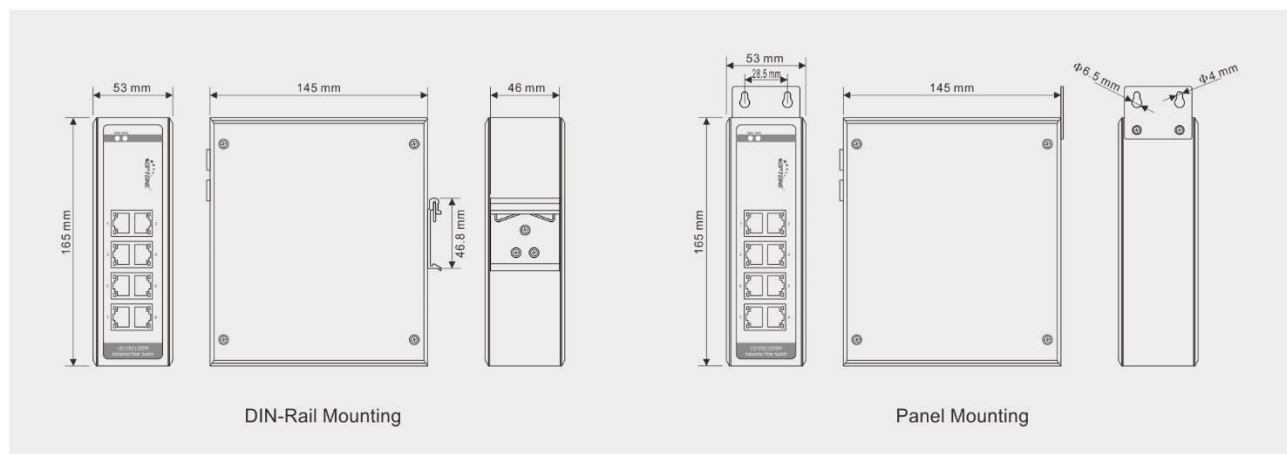- FCC Part 15 of Class A & CE approved

Industrial Standard
- EMI: FCC/CE/LVD/EMC
- EMS:
  IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)
  IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
  IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV
  IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV
  IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
  IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
- Shock: IEC 60068-2-27
- Free Fall: IEC 60068-2-32
- Vibration: IEC 60068-2-6

Warranty
- 5 years

>> Mechanical Drawing

DIN-Rail Mounting

Panel Mounting

>>Ordering Information

OPT-IES2008P	8*10/100/1000Base-Tx(PoE)

>>Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTONE before they become applicable to any particular order or contract. In accordance with the OPTONE policy of continuous improvement specifications may change without notice.

The publication of information in this data sheet does not imply freedom from patent or other protective rights of OPTONE or others. Further details are available from any OPTONE sales representative.

sales@optone.net
http://www.optone.net