IPS-1080-24V

❯❯ *Industrial 8-port unmanaged PoE Ethernet switch with 8x10/100Base-T(X) P.S.E., 24VDC power input*

Features

- Provide 8x10/100Base-T(X) PoE (P.S.E.) ports
- Supports IEEE 802.3at compliant PoE and total power budget is 120Watts with maximum 30Watts per port
- Advanced PoE power boost technology to support dual 24VDC power inputs
- Support auto-negotiation and auto-MDI/MDI-X
- Support store and forward transmission
- Support flow control
- Warning system by relay output
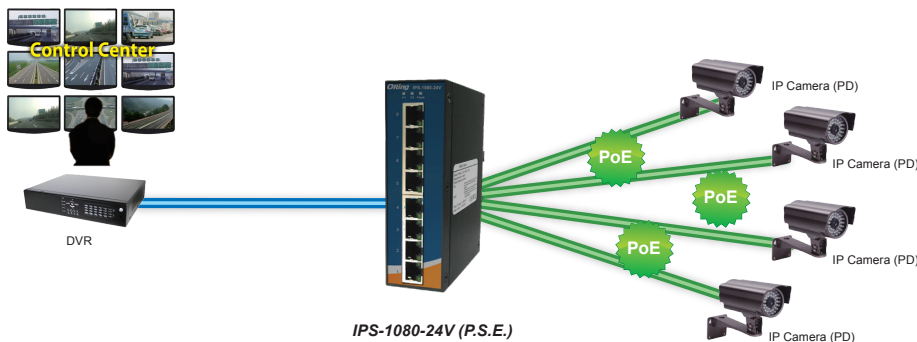- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled

Introduction

IPS-1080-24V is unmanaged PoE Ethernet switch with P.S.E. function. IPS-1080-24V supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IPS-1080-24V switch has 8X10/100Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40oC to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Practical Operation

IPS-1080-24V can be used in connecting several PoE P.D. Ethernet devices like IP-Camera or other Ethernet devices. In addition, there are two different power inputs at terminal block to avoid interruption caused by power down. When the primary DC power input fails, the backup power input will take over immediately to guarantee a non-stop operation.

IPS-1080-24V (P.S.E.)

Industrial Ethernet Switch

Industrial Media Converter

Industrial Device Server

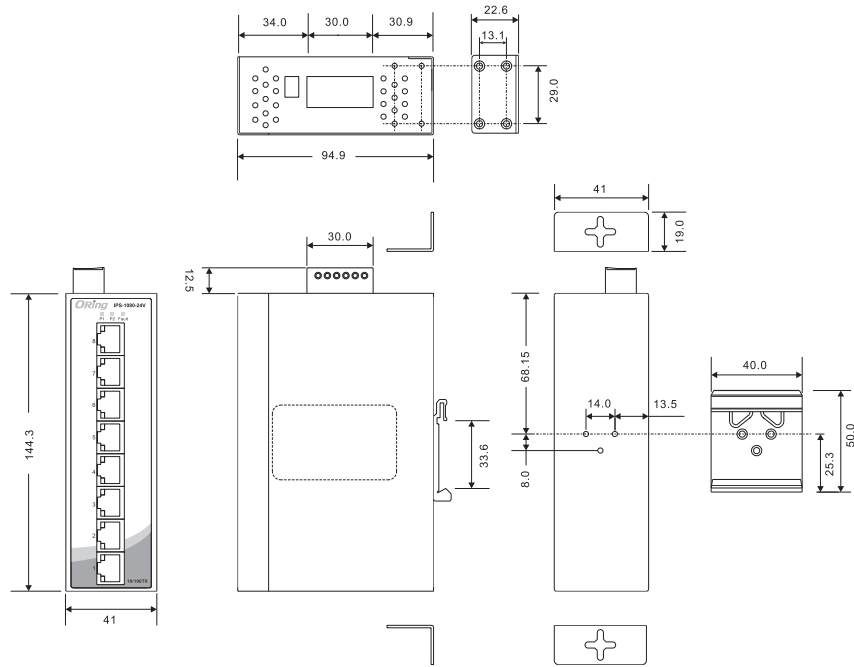Industrial Wireless Access Point

Industrial Cellular VPN Router

Industrial M2M Gateway

Accessories

Network Management Software

Dimensions

(Unit=mm)

PoE Pin Assignment

10/100Base-T(X) P.S.E. RJ-45 Port	
RJ-45 Pin Definition	
Pin No.	**Description**
#1	TD+ with PoE Power input +
#2	TD- with PoE Power input +
#3	RD+ with PoE Power input -
#6	RD- with PoE Power input -

Specifications

ORing Switch Model	**IPS-1080-24V**
Physical Ports	
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX with P.S.E.	8
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3x for Flow control IEEE 802.3at PoE specification (total power budget is 120Watts with maximum 30Watts per port)

MAC Table	2048 MAC addresses
Processing	Store-and-Forward
LED Indicators	
Power indicator	Green : Power LED x 2
Fault indicator	Amber : Indicate PWR1 or PWR2 failure
10/100Base-T(X) RJ45 Port Indicator and PoE indicator	Green for port Link/Act. Green for PoE power injected.
Fault contact	
Relay	Relay output to carry capacity of 1A at 24VDC
Power	
Redundant Input power	Dual DC inputs. 24~36VDC on 6-pin terminal block.
Power consumption (Typ.)	4.32 Watts (PoE output not included)
Overload current protection	Present
Reverse polarity protection	NOT Present
Physical Characteristics	
Enclosure	IP-30
Dimensions (W x D x H)	41 (W) x 94.9 (D) x 144.3(H) mm (1.61 x 3.74 x 5.68inch)
Weight (g)	555 g
Environmental	
Storage temperature	-40 to 85°C (-40 to 185°F)
Operating temperature	-40 to 70°C (-40 to 158°F)
Operating humidity	5% to 95% Non-condensing
Regulatory Approvals	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1
Warranty	5 years

Ordering Information

IPS-1 AA B -24V

Code Definition	10/100Base-T(X) P.S.E. Port Number	Additional Port Number
Option	**- 08:** 8 ports	**- 0:** 0 ports

Available Model	Model Name	Description
	IPS-1080-24V	Industrial 8-port unmanaged PoE Ethernet switch with 8x10/100Base-T(X) P.S.E., 24VDC power input

Packing List
- IPS-1080-24V
- DIN-Rail Kit
- Wall-mount Kit
- Quick Installation Guide

Optional Accessories (Can be purchased separately)
- DR-45-24, 45 Watts DIN-Rail power supply
- DR-75-24, 75 Watts DIN-Rail power supply
- DR-120-24, 120 Watts DIN-Rail power supply

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