snexus
NETWORKS

ISN-ES1300-10FP

8 x 10/100 POE Port
1 x 10/100/1000M RJ45 +1 x SFP Port
Power Supply (included)

85℃ / −40℃

DIN / Rail

6KV
Lightning Protection

EXCLUSIVE 5YEAR WARRANTY

Key Features:

Ports: Provide 8*10/100Mbps PoE ports with 1 Gigabit SFP + 1 Gigabit Uplink Port
PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant
Self-adaption: RJ45 port supports 10/100Mbps Auto MDI/MDIX
Industrial Installation: Din Rail mounting installation
Wide Application: Designed for Railway, traffic etc some Industrial environment
Surge protection: Protect the device from lighting surges and others electrical hazards
Working Temperature: -40 to 85 degrees   operating temperature
Considerate Design: IP40 Industrial enclosure
Easy to use: Plug and play, No configuration required

Environmentally Hardened Design

With the **IP40** metal industrial case which provides a high level of immunity against electromagnetic interference and heavy electrical surges,Being able to operate under the temperature range from **-40 to 85 degrees C**, the ISN-ES1300-10FP can be placed in almost any difficult environment.

Dual Power input for High Availability Network

Featureing a strong dual power input system with wide-ranging voltages (12V~54V DC) incorporated into customer's automation network to enhance system reliability and uptime which make the installation more flexible and convenient.

Surge Protection Design

provides contact discharge of ±8KV DC and air discharge of ±15KV DC for Ethernet ESD protection. It also supports ±6KV surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

Technical Datasheet

Model	ISN-ES1300-10FP		
Hardware Specifications			
Ports	8 x 10/100M PoE Port + 1 x Gigabit Uplink + 1 x SFP Port (120 Watt)		
	Removable 4-pin terminal block		
Connector	Pin 1/2 for Power 1; Pin 3/4 for Power 2		
	Power Indicator: PWR(green).Network Indicator: Link(yellow) SFP: Green		
LED Display	12~54V DC		
Power requirements	Less than 5Watts		
Power Consumption			
Switch Performance	Backplane bandwidth		7.5Gbps
	Packet forwarding rate		4.2Mpps
	MAC address		4k
	Flow control	Back pressure for half duple. IEEE 802.3x pause frame for full duplex	
Enclosure	IP40 Metal case		
ESD Protection	6KV ESD		
Dimension(W x D x H)	48mm x 110mm x 150mm		
Weight	1.1Kg		
Network standard	IEEE802.3i 10 BASE-T		
	IEEE802.3u 100 BASE-TX		
	IEEE802.3ab 1000BASE-T		
	IEEE802.3x Flow Control		
	IEEE802.3af Power over Ethernet		
	IEEE802.3at Power over Ethernet		
	IEEE802.3az EEE		
PoE Standard	IEEE 802.3af Power over Ethernet/PSE		
	IEEE 802.3at Power over Ethernet Plus/PSE		
PoE Supply Type	1/2(+), 3/6(-) End-span		
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af)		
	Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)		
PoE Power budget	120W /240W Optional (Not included into package)		
Environment			
Environment specification	Operating temperature: -40℃~85℃, operating humidity: 5%~95%		
	Storage temperature: -40℃~85℃, storage humidity: 5%~95%		
Warranty	5 Years		

Installation Models

Power Terminal
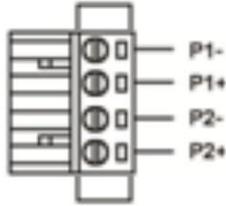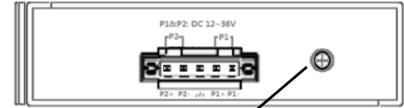
- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-54VDC wide voltage input
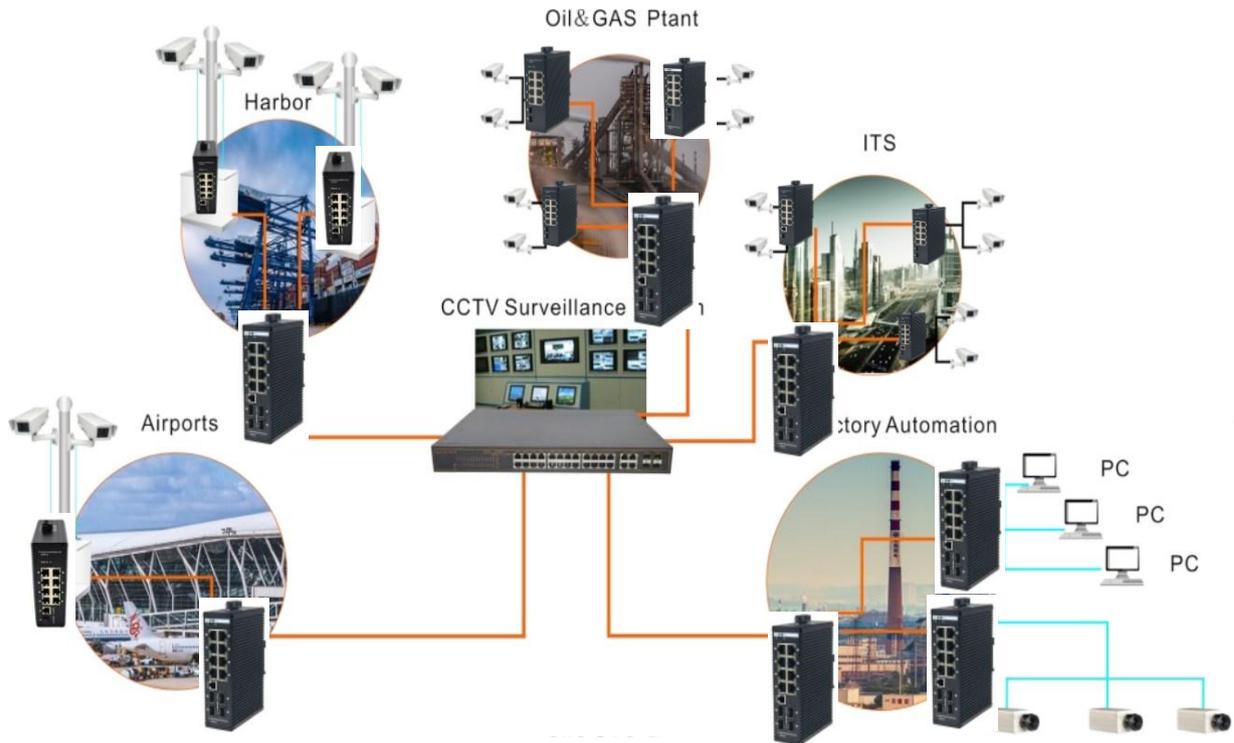- ◆ P1&P2 dual power input
- ◆ Reverse protection

P1-
P1+
P2-
P2+

Earth Protection

P1&P2: DC 12~36V

Ground screw

Din-Rail

Applications

Oil&GAS Plant

Harbor

ITS

CCTV Surveillance

Airports

Factory Automation

PC
PC
PC
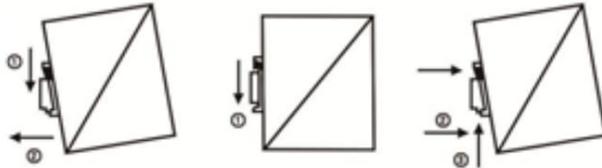
Ordering Information	
ISN-ES1300-10FP	8 x 10/100M PoE Port + 1 x Gigabit Uplink + 1 x SFP Port (120 Watt PoE) Uplink,Din rail