HIMAX TECHNOLOGY

Harden Industrial PoE Switch

Model: PS1402FE–HI

Product Introduction

The PS1402FE–HI is a harden industrial PoE Switch. It has 4*10/100Base–T POE ports and 1*1000M RJ45 port and 1*100/1000Base–X SFP fiber slot ports. Port 1–4 can support IEEE 802.3af/at PoE standard, single–port PoE power up to 30W, and the maximum PoE output power of the host is 60W (at–120W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to PoE terminal device such as wireless AP, IP camera, industrial sensor through the network cable, and meet the network environment that needs high–density PoE power supply. It is suitable for intelligent transportation, rail transit, power industry, mining, petroleum, sea transportation. Industrial scenes such as metallurgy and green energy construction form a cost–effective, stable and reliable communication network.

Features

◎ 4*10/100/1000M PoE ports+ 1*1000M RJ45 port + 1*100/1000M SFP port Industrial PoE Switch, port 1–4 support IEEE 802.3af/at;

◎ PoE port1~port4 support AF/AT intelligent recognition. Standard power is 15.4W/port, Maximum power: 30W/port;

◎ Support AI Watchdog, Port self–healing, VLAN, extend 300meters distance, Auto Speed Change, Priority port & reduce the after–resale

◎ Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z standards;

◎ PoE default: 1, 2(+)/3, 6(–)

◎ Operation TEMP:–40~85°C

◎ Input voltage: DC48–57V, Redundant dual power 5–bit industrial terminals;

◎ IP protection level: IP40; Rail–type installation;

  5 years warranty.

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Specification

Model	PS1402FE-HI
Interfaces	
Interface	4*10/100/1000Base-T PoE ports (Data/Power)
	1*1000Base-T uplink RJ45 port (Data)
	1*100/1000Base-X uplink SFP fiber slot port (Data)
	2 set of V+, V- redundant DC power interface (5Pin Phoenix terminal)
Ethernet Port	Port 1-4 support 10/100/1000Base-TX, auto-sensing, Full/half duplex
	MDI/MDI-X self-adaption
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T,
	IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T
	IEEE802.3z 1000Base-X, IIEEE802.3x
PoE	
PoE Standard	IEEE802.3af/at
SFP Port	Gigabit SFP optical fiber port, default matching optical modules (optional
	order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable	Multimode: 850nm 0 ~ 550M,
	single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Forwarding Mode	Store and Forward
Switch Property	
Switching Capacity	12Gbps
Forwarding Rate@64byte	8.93Mpps
MAC	4K
Buffer Memory	1M
Jumbo Frames	10K
MTBF	100000 hours
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter)
	100BASE-TX: Cat5 or later UTP (≤100 meter)
	1000BASE-T: Cat5e or later UTP (≤100 meter)
Power Supply Pin	Default:1/2 (+), 3/6 (-)
Working Voltage	48-57VDC; 5P industrial phoenix terminal, anti-reverse protection.
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	60W/48VDC (IEEE802.3af)	120W/48VDC (IEEE802.3at)
Power Consumption	Standby:<2W; Full load:<60W	Standby:<2W; Full load:<120W
Power Supply	No, optional 48V/60W or 48V/120W industrial power supply	
Physical Characteristics	
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-4(Link/Act)/
	(Green),5-6(Link/Act)/ (Green), Speed/ (Orange); POE indicator: PoE (Orange)
Operation TEMP / Humidity	-30~+65°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+125°C;5%~95% RH Non condensing

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Dimension (L*W*H)	98*120*36mm
Net /Gross Weight	<0.5kg/<0.7kg
Installation	Desktop, 35mm DIN rail
Lightning protection / protection level	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000−4−2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000−4−3(RS):10V/m(80~1000MHz) IEC61000−4−4(EFT): power cable: ±4kV; data cable: ±2kV IEC61000−4−5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV IEC61000−4−6(radio frequency transmission):10V(150kHz~80MHz) IEC61000−4−8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000−4−9(pulsed magnet field):1000A/m IEC61000−4−10(damped oscillation):30A/m 1MHz IEC61000−4−12/18(shockwave):CM 2.5kV, DM 1kV IEC61000−4−16(common−mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022): Class A IEC61000−6−2(Common Industrial Standard)
Warranty	5 years
Certification	
Certification	CE, FCC, RoHS,
Package Contents	
Switch	1 pcs
DIN−Rail mounting accessories	1 pcs
Quick installation guide	1 pcs

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HIMAX TECHNOLOGY LIMITED

www.himax–technology.com

Email：sales@himax–technology.com

F10, Fuhong Building, No.120 Yongfu Road, Qiaotou Community Fuhai Street, BaoanDistrict, Shenzhen China

Company Website