INDUSTRIAL SWITCH PRODUCTS

L2 Unmanaged industrial PoE fiber switch 4x10/100M PoE ports and 1x10/100 FX, SC port , 20km single-mode dual-fiber

FOCOMM

PRODUCT DESCRIPTION

The **IPS-4FT-SC** series is a 10/100M industrial PoE fiber switch independently developed by Focomm. It has 4*10/100M PoE ports and 1*155M SC slot port, Port 1-4 can support IEEE 802.3af/at PoE standard, single port PoE power up to 30W, the maximum PoE output power is 60W. 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 equipment such as wireless AP, web camera, VoIP phone, industrial sensor through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for intelligent transportation, rail transit, electric power, mining, metallurgy and green energy. Industrial scenes such as construction set up a cost-effective and stable communication network. Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

10/100M TP/SC port, fast Ethernet

- All series supports "10/100M RJ45 port and 155M SC fiber port" combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- Support non-blocking wire speed forwarding
- Support full duplex based on IEEE802.3x and half duplex based on Backpressure

Port lightning protection, wide voltage input

- Contact discharge 8KV, air discharge 15KV; port lightning protection common-mode 4KV, differential mode 2KV;
- Industrial dual power input.
- DC INPUT: 48V-57V, non-PoE DC INPUT: 12-48V.

Smart PoE power supply function

- 4*10/100Base-TX RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- IEEE 802.3af/at PoE standard, without damaging non-PoE devices.

Stable and reliable

- Low power consumption, no fan low noise design, aluminum shell.
- CCC,CE, FCC, RoHS.
- The user-friendly panel, it can show the device status through the LED indicator of PWR, Link, PoE.

ISO 9001   ISO 14001

TECHNICAL SPECIFICATION

Interface Characteristics	
Fixed Port	4*10/100Base-T PoE ports (Data /Power)
	1*155M uplink SC port (Data)
	2 groud of V+, V- redundant DC power interface (5P Phoenix terminal)
Ethernet Port	10/100Base-TX auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter)
	100BASE-TX: Cat5e or later UTP(≤100 meter)
Fiber Port	The default optical module is single-mode dual-fiber 20km, SC interface;
	Multi-mode dual fiber and single-mode single fiber see product selection table
Optical Cable	Multimode: 850nm 0 ~ 550M,
	singlemode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;
	IEEE802.3u 100Base-TX;IEEE802.3u 100Base-FX;
	IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	1.6Gbps (Non-blocking)
Forwarding Rate@64byte	0.744Mpps
MAC	1K
Buffer Memory	768K
Forwarding delay	<10us
Jumbo Frames	9.2K
LED Indicator	Power: PWR (green), Network :Link, (yellow); PoE : PoE (green) , fiber port :5 (green)
PoE & Power	
PoE Port	Port 1 to 4 IEEE802.3af/at @ POE
Power Supply Pin	Default 1/2 (+), 3/6 (-) , optional 4/5 (+), 7/8 (-)
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	60W/48VDC
Power Consumption	Standby<3W, Full Load<60W
Working Voltage	48-57VDC; 5P industrial phoenix terminal, anti-reverse protection.
Power Supply	No, optional 48V/60W or 48V/120W industrial power supply
Physical Parameter	
Operation TEMP / Humidity	-40~+80°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension	119*100*30mm
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)
Mechanical Properties	IEC60068-2-6 (anti vibration)
	IEC60068-2-27 (anti shock)
	IEC60068-2-32 (free fall)
Certification	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS;
Warranty	3 years

ORDER INFOMATION

PRODUCT	PART NUMBER
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