INDUSTRIAL SWITCH PRODUCTS

L3 4*1000 Base-X, 8*10/100/1000Base-TManaged Industrial POE Switches

FOCOMM

PRODUCT DESCRIPTION

The Series models are Industrial L3 managed switches. This device is L3 managed device with 4*1000 Base-X + 8*10/100/1000Base-T, PoE/ PoE+ support. Through the fanless cooling circuit and full aluminum cases design, IP40 rated protection and wide range working temperature from -40 to 75 degree C, 8-15KV antistatic and 6KV surge protection, rugged DIN-rail installation. Rich management protocols and functions ERPS, STP/RSTP/MSTP, Telnet, SSH, Web management, SNMP,CLI and other management function support, has greatly enhanced the flexibility of the industrial network. It can meet the deployment requirements of rail transit, safe city, intelligent transportation, outdoor monitoring and other harsh environments.

FEATURE

Input Voltage : DC12~58V(Non-PoE), DC48~58V(PoE)

Operating Temperature : -40°C ~ +75°C

Shell : IP40 protection, fanless design

Test Report : CCC, RoHS, FCC, CE

Anti-static : 8KV-15KV

MTBF : 100000 Hours

TECHNICAL SPECIFICATION

Provider Mode Ports	
Fixed port	4*1000 Base-X, 8*10/100/1000 Base-T
Management Port	Support Console
Power interface	Phoenix terminal, dual power input
LED Indicators	PWR, SYS, Link/ACT LED
Cable Type & Transmission Distance	
Twisted-pair	0-100m(CAT5e,CAT6)
Monomode optical fiber	20/40/60/80/100KM
Multimode optical fibre	550m
Network Topology	
Ring topology	Support
Star topology	Support
Bus topology	Support
Tree Topology	Support
Hybrid topology	Support
Electrical Specifications	
Input voltage	DC12~58V (Non-PoE), DC48~58V(PoE)
Total Power consumption	＜10W (Non-PoE), ＜250W (PoE)

PoE Support	
PoE port	1-8
PoE Protocol	802.3af，802.3at
Pin Assignment	1,2,3,6
PoE Management	Support
Layer 2 Switching	
Switching capacity	128G
Packet forwarding rate	95.23Mpps
MAC address table	16K
VLAN	Support 4K
Buffer	12M
Forwarding delay	<10us
VLAN	256
GVRP VLAN	Support
Protocol VLAN	Support
Voice VLAN	Support
Surveillance VLAN	Support
MAC VLAN	Support
Etherchannle/ 802 .3ad	Support
LACP	Support
Interface Speed	Support
Duplex Mode	Support
Flow control	Support
Jumbo Frame	Support 10Kbytes
DHCP Client	Support
SNTP Client	Support
Port Statistics	Support
Protected Ports	Support
EEE	Support
Ethernet Ring Protection Switching	Support
LLDP	Support
LLDP 802.1 TLV	Support
IEEE 802.1p	Support
MSTP / RSTP / STP	Support
STP BPDU Filter	Support
STP BPDU guard	Support
STP Port Fast	Support
IGMP Snooping	Support
MLD Snooping	Support
MVR	Support
DHCP interface prioritizes IP binding	Support
Device scan	Support

Layer 3 Route	
IPv4 management address	Support
IPv6 management address	Support
IPv4 dynamic route	OSPF, RIP
Static Routes IPv6	Support
ARP	Support
Loopback Interface	Support
Convergence	
ACL	Supports MAC standard/extended ACL;
	Supports Ipv4 standard/extended ACL;
	Supports Ipv6 standard/extended ACL;
QoS	Support QoS re-marking, priority mapping;
	Support port trust;
	Support port traffic speed limit;
	Support export queue speed limit;
	Supports SP and WRR scheduling algorithms;
	Supports COS mapping, DSCP mapping, and IP priority mapping
Management	
User management	Support
System Log	Support
Upgrade Firmware	Support
System Log	Support
WEB management	Support
SNMP	Support SNMPv1/v2/v3
Console	Support
CLI	Support
Telnet/SSH	Support
RMON	Support
IP Source Guard	Support
Port Security	Support
Protected Ports	Support
Storm control	Support
Equipment diagnosis	
RAM log	Support
Flash log	Support
Port Mirror	Support 1:1 or 1:M
Ping	Support
Traceroute	Support
Copper port testing	Support
Fiber model info	Support
UDLD protocol	Support

Environment	
Operating temperature	-40°C~+70°C
Storage temperature	-40°C~+85°C
Relative humidity	5%~95% (non-condensing)
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product size	161x116x56mm (W*D*H)
Installation Method	DIN-rail
Weight	0.96KG
EMC&INGRESS PROTECTION	
IP Level	IP40
Surge protection of Power	Common mode 6KV, differential mode 4KV
Surge protection of Ethernet port	Common mode 4KV, differential mode 2KV
ESD	Air 15K, touch 8K
Free Fall	0.5m
Authentication	CCC/CE/FCC/RoHS
Authentication	Device, Terminals, Specification, Certificate Adapter (optional)

ORDER INFOMATION

PRODUCT	PART NUMBER
L3 4*1000 Base-X, 8*10/100/1000Base-TManaged Industrial POE Switches	IPS-3MH8GT-4SFP