INDUSTRIAL SWITCH PRODUCTS

High Managed Industrial PoE fiber switch

PRODUCT DESCRIPTION

The device is 4*1000 Base-X, 8*10/100/1000 Base-T PoE Fast Managed Industrial Ethernet Switch via fan less heat sink circuit design. , wide range of working environment temperature, high protection level and other technologies provide high / low temperature, lightning protection and other outstanding industrial quality, and integrated switching, security and a variety of protocols, concurrently supported Public Ethernet Public Ethernet Multiple Ring Protection (ERPS) technology has greatly increased network resiliency and improved reliability and security. industrial network It can meet the usage requirements of rail transportation. safe city intelligent transportation Inspection outside the building 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, 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)

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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	36G
Packet forwarding rate	26.78Mpps
MAC address table	16K
VLAN	Support 4K
Buffer	12M
Forwarding delay	<10us
MDX/MIDX	Support
Flow control	Support
Jumbo Frame	Support 10Kbytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 group
Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
MAC Authentication	Support
Port Isolation	Support
RMON	Support
NTP Client	Support
DHCP CLIENT	Support
DHCP snooping	Support
Ping/tracert test	Support
Dying gasp	Support
DDM	Support
Convergence	
ACL	Support ACL 500
	Support IP standard ACL
	Support MAC expand ACL
	Support IP expand ACL
QoS	Support QoS re-marking, priority mapping
	Support SP, WRR queue scheduling
	Support engress rate-limited, egress rate-limit
	Support Policy-based QoS

Management	
CLI	Support
Console	Support
Management IP	Support IPv4/IPv6
Telnet/SSH	Support
WEB management	Support
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support
Environment	
Operating temperature	-40°C~+75°C The device is tested for 4 hours at temperatures in 85°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	48X104X143mm
Installation Method	DIN-rail
Weight	0.58KG
EMC&INGRESS PROTECTION	
IP Level	IP40
Surge protection of Power	IEC 61000-4-5 Level X (6KV/6KV) (8/20us)
Surge protection of Ethernet port	IEC 61000-4-5 Level 4 (4KV/4KV) (10/700us)
RS	IEC 61000-4-3 Level 3 (10V/m)
EFI	IEC 61000-4-4 Level 3 (1V/2V)
CS	IEC 61000-4-6 Level 3 (10V/m)
PFMF	IEC 61000-4-8 Level 4 (30A/m)
DIP	IEC 61000-4-11 Level 3 (10V)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m
Authentication	CCC/CE/FCC/RoHS
Accessories	Device, Terminals, Specification, Certificate Adapter(optional)

ORDER INFOMATION

PRODUCT	PART NUMBER
L2+ High Managed Industrial PoE fiber switch 8x10/100/1000M RJ45 ports and 4x100/1000M SFP slot ports	IPS-MH8GT-4SFP