

# INDUSTRIAL SWITCH PRODUCTS

2\*1000 Base-X, 8\*10/100/1000Base-T Managed Industrial Ethernet Switches



## PRODUCT DESCRIPTION

The equipment is 2\*1000 Base-X, 8\*10/100/1000 Base-T Managed Industrial Ethernet fast switch, through the fanless cooling circuit design, wide range working environment temperature, high protection level and other technologies, provide high / low temperature, lightning protection and other outstanding industrial quality, and integrated switching, safety and various rich protocols, simultaneously supported The public Ethernet multi ring protection technology (ERPS) has greatly enhanced the flexibility of the network and enhanced the reliability and security 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



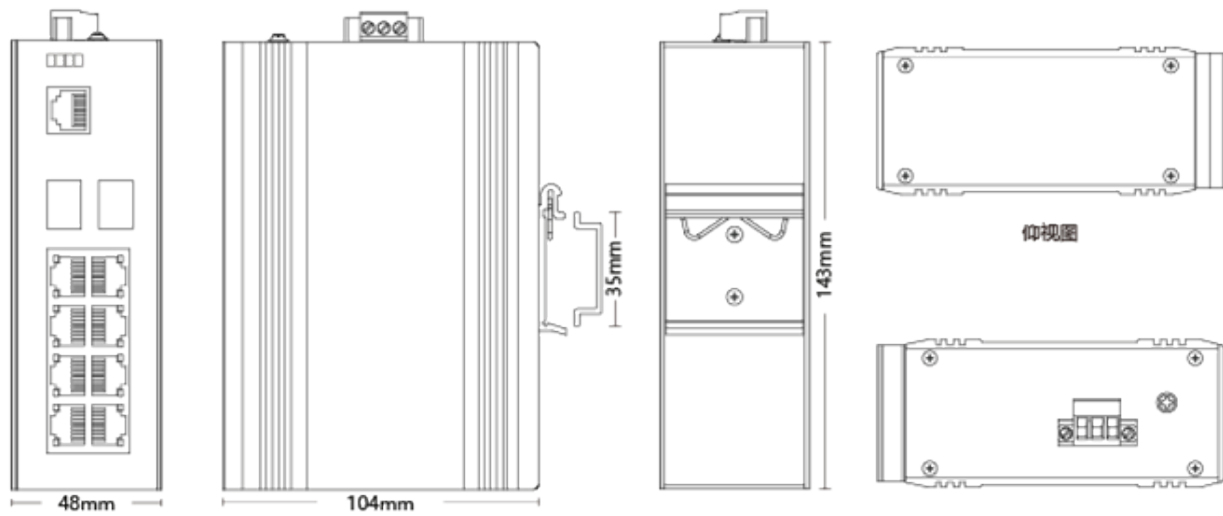
## TECHNICAL SPECIFICATION

<b>Provider Mode Ports</b>	
Fixed port	2*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
<b>Cable Type &amp; Transmission Distance</b>	
Twisted-pair	0-100m (CAT5e,CAT6)
Monomode optical fiber	20/40/60/80/100KM
Multimode optical fibre	550m
<b>Network Topology</b>	
Ring topology	Support
Star topology	Support
Bus topology	Support
Tree Topology	Support
Hybrid topology	Support

<b>Electrical Specifications</b>	
Input voltage	DC12~58V (Non-PoE), DC48-58V(PoE)
Total Power consumption	<10W(Non-PoE), PoE <250W
<b>PoE (Optional)</b>	
PoE port	1-8
PoE Protocol	802.3af, 802.3at
Pin Assignment	1, 2, 3, 6
PoE Management	Support
<b>Layer 2 Switching</b>	
Switching capacity	20G
Packet forwarding rate	14.88Mpps
MAC address table	8K
Buffer	4.1M
Forwarding delay	<10us
MDX/MIDX	Support
VLAN	Support 256
GARP VLAN	Support
Protocol VLAN	Support
Voice VLAN	Support
Surveillance VLAN	Support
MAC VLAN	Support
Ether channle/ 802 .3ad	Support
LACP	Support
Interface Speed	Support
Duplex Mode	Support
Flow control	Support
Jumbo Frame	Support
DHCP Client	Support
SNTP Client	Support
Port Statistics	Support
Protected Ports	Support
EEE	Support
ERPS	Support
LLDP	Support
LLDP 802.1 TLV	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 priority IP binding	Support
Device scan	Support
<b>Layer 3 Function</b>	
IPV4 management address	Support
IPV6 management address	Support
Static Routes IPv4	32

Static Routes IPv6	32
ARP	Support
Loopback Interface	Support
DHCP Server	Support
DNS Server	Support
Convergence	
ACL	Support MAC standard/extended ACL Support IPV4 standard/extended ACL Support IPV6 standard/extended ACL
QoS	Support QOS retagging Support port trust Support port speed limit Support exit queue speed limit Support SP and WRR scheduling algorithms Support COS mapping, DSCP mapping and IP priority mapping
Management	
User Management	Support
System Log	Support
Upgrade Firmware	Support
Configuration File Download/Upload	Support
WEB management	Support
SNMP	Support SNMPv1/v2c/v3
CLI	Support
Telnet/SSH	Support
RMON	Support
Security	
Manage channel configuration	Support
AAA authentication	Support
802.1X authentication	Support
MAC-Based authentication	Support
WEB-Based authentication	Support
DoS anti-attack	Support
Dynamic ARP check	Support
DHCP Snooping	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
Ping	Support
Traceroute	Support
Ethernet port test	Support
Optical module information	Support
UDLD protocol	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	0.55KG
EMC&Ingress Protection	
IP Level	IP40
Surge protection of Power	4KV/2KV
Surge protection of Ethernet port	4KV/2KV
ESD	8K/15K
Free fall	0.5m
Authentication	
Authentication	CCC/CE/FCC/RoHS
Accessories	Device, Terminals, Specification, Certificate Adapter(optional)



### ORDER INFORMATION

PRODUCT	PART NUMBER
L2+ High Managed Industrial PoE fiber switch 8x10/100/1000M RJ45 ports and 2x100/1000M SFP slot ports	IPS-MH8GT-2SFP-M