JHA-MIWS4G08H Series

12-port Managed Industrial Ethernet Switch, with 8 10/100/1000Base-T(X) Port and 4 1G/10G SFP Slot+1 Console Port

Features

- Support 8 10/100/1000Base-T(X) port and 4 1G/10G SFP+ Slot and 1 Console Port.

- Rich QoS features for data flow control and management, support ring protocol, RSTP and STP Ethernet redundancy, support port-based VLAN, IEEE 802.1Q VLAN and GVRP protocol.

- Support CLI, SNMP, WEB VLAN management, Console/Telnet command-line management and syslog, using self-developed ring network technology, recovery time <20ms.

- DC10-58V redundancy power, reverse polarity protection.

- Industrial grade 4 design, -40-85°C operating temperature.

- IP40 rated aluminum alloy housing, DIN-Rail mounted.

Introduction

The JHA-MIWS4G08H series is a high-performance, cost-effective, high-end intelligent gigabit managed ring network industrial-grade optical fiber switch. Support 4 1G/10G optical ports (SFP slots) + 8 10/100/1000Base-T(X) port. It adopts the self-developed JHA-MIWS4G08H ring network technology (network failure self-healing time <20ms), users can easily set a redundant ring network to increase network reliability, and also supports CLI, SNMP, WEB, VLAN management, support Console/Telnet command line management. Rich QoS features for data flow control and management, support ring protocol, RSTP and STP Ethernet redundancy, support port-based VLAN, IEEE 802.1Q VLAN and GVRP protocol. The product also uses fanless, low power consumption, industrial-grade design, can adapt to harsh industrial environments, and has an operating temperature range of -40 to 85°C, which can meet the requirements of various industrial sites.
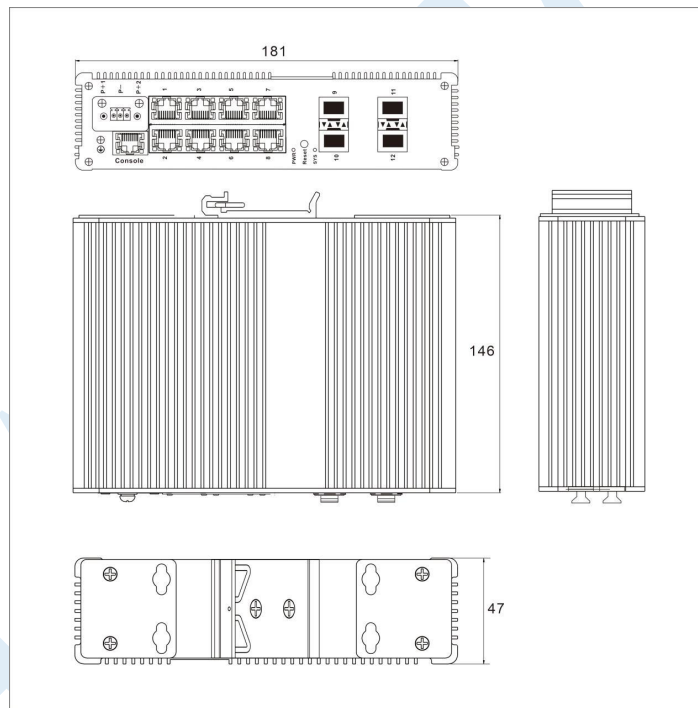
Specification

Interface	
Fiber Port	4*1G/10G SFP+
Ethernet Port	8*10/100/1000 Base－T
Manage Port	1*RJ45 Console port
Power connector	3P Phoenix terminal, dual power supply redundancy
LED Indicator	PWR (green); System indicator:SYS(green); Network port indicator:yellow(1000 or POE) Green (Link)
Cable type and distance	
Twisted pair cable	0-100m (CAT5e, CAT6)
Single-mode fiber	20/40/60/80/100KM
Multimode fiber	550m/2KM
Optical fiber interface	LC/SC
Network topology & scale	
Ring topology	Support
Star topology	Support
Bus topology	Support
Tree topology	Support
Hybrid topology	Support
Electrical characteristics	
Input voltage	DC10-58V/DC48-58V
Power consumption	Non-POE full load (Total power) <10W POE full load <132W
PoE Support(Optional)	
PoE ports	1-8
PoE protocol	802.3af, 802.3at
PoE pin assignment	1,2,3,6
PoE management mode	Support
L2 Features	
Exchange capacity	160G
Packet forwarding rate	95.23Mpps
MAC address table	16K
VLAN support and quantity	Support 4K
Report buffer	12M
Forwarding delay	<10us
Port characteristics	Cross-connect and direct-adaptive
Flow control	Support

Jumbo frame support	Support10Kbytes
Spanning Tree Protocol	Support STP/RSTP/MSTP
Ring network protocol	Support ERPS
Link aggregation	Support 12 groups
Multicast	Support IGMP Snooping
Port mirroring	Support
Storm suppression	Support
Port traffic statistics	Support
Port flow system	Support
QINQ	Support
Protection	Shell: IP40 protection, aluminum alloy housing IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us) IEC 61000-4-5 Level 3 (6KV/2KV) (10/700us) IEC 61000-4-3 Level 3 (10V/m) IEC 61000-4-4 Level 3 (1V/2V) IEC 61000-4-6 Level 3 (10V/m) IEC 61000-4-8 Level4 (30A/m) IEC 61000-4-11 Level3 (10V) EMI CLASS A IEC 61000-4-2 Level 4 (15KV/30KV) Free fall 0.5m
Convergence Service	
ACL	Support 500 ACLs; Support IP standard ACL; Support MAC extended ACL; Support IP extended ACL;
QoS	Support QoS re-marking and priority mapping; Support SP, WRR queue scheduling; Support entry speed limit and exit speed limit; Support flow-based QoS
Management function	
Command line	Support
Management serial port	Support
Telnet	Support
WEB management	Support
SNMP	Support SNMPv1/v2c
User management	Support
System log	Support
File upgrade	Support
Firmware upgrade	Support
SFP module DDM	Support
Environmental conditions	

Working temperature	-40℃~+85℃
Storage/transport temperature	-40℃~+85℃
Relative humidity	5%~95% does not support condensation (non-condensing)
Cooling method	No fan design, natural heat dissipation
MTBF	100,000 hours
Mechanical structure	
Size	181X146X47mm
Installation method	DIN Rail Installation
Weight	1KG

Dimension

Order Information

Model No.	Description of Goods
JHA-MIWS4G08 H	Managed Industrial Ethernet Switch, 4 10G SFP+ Slot and 8 10/100/1000Base-T(X), DIN-Rail, DC10-58V, -40-85°C Operating Temperature
JHA-MIWS4G08 HP	Managed Industrial PoE Switch, 4 10G SFP+ Slot and 8 10/100/1000Base-T(X) PoE/PoE+ DIN-Rail, DC48-58V, -40-85°C Operating Temperature
Power Supply: DC24V DIN-Rail Power Supply or Power Adapter is Optional.(Non-PoE) DC48V DIN-Rail Power Supply or Power Adapter is Optional.(PoE)	