JHA-MIGS216H Series

18-port Managed Industrial Ethernet Switch, with 2 1000Base-X SFP Slot and 16 10/100/1000Base-T(X) Ethernet Port

Features

- Support 2 1000Base-X SFP slot and 16 10/100/1000Base-T(X) Ethernet port.

- Support G.8032(ERPS), IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3ad, IEEE802.3ab, IEEE802.1p, IEEE802.1x, IEEE802.1Q, IGMP Snooping, IPv4/IPv6 precedence.

- Support CLI, SNMP, WEB, Bandwidth 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

JHA-MIGS216H is a high performance, cost-effective high-end managed industrial Ethernet switch. The switch provides 16 10/100/1000Base-T(X) Ethernet port and 2 1000Base-X SFP slot. The use of a Ring technology (network fault recovery <20ms) the user can easily set the redundant ring network to increase network reliability, it also support WEB, CLI, Telnet/serial console, Windows utility, and SNMP management of a variety of ways, rich QoS features for data traffic 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 industrial design, and can be widely used in automotive PIS, CCTV, video surveillance systems, train control system, but also applies to any vibration shock, EMC compatibility requirements of harsh industrial applications, can meet a variety of industrial site requirements to achieve higher reliability.
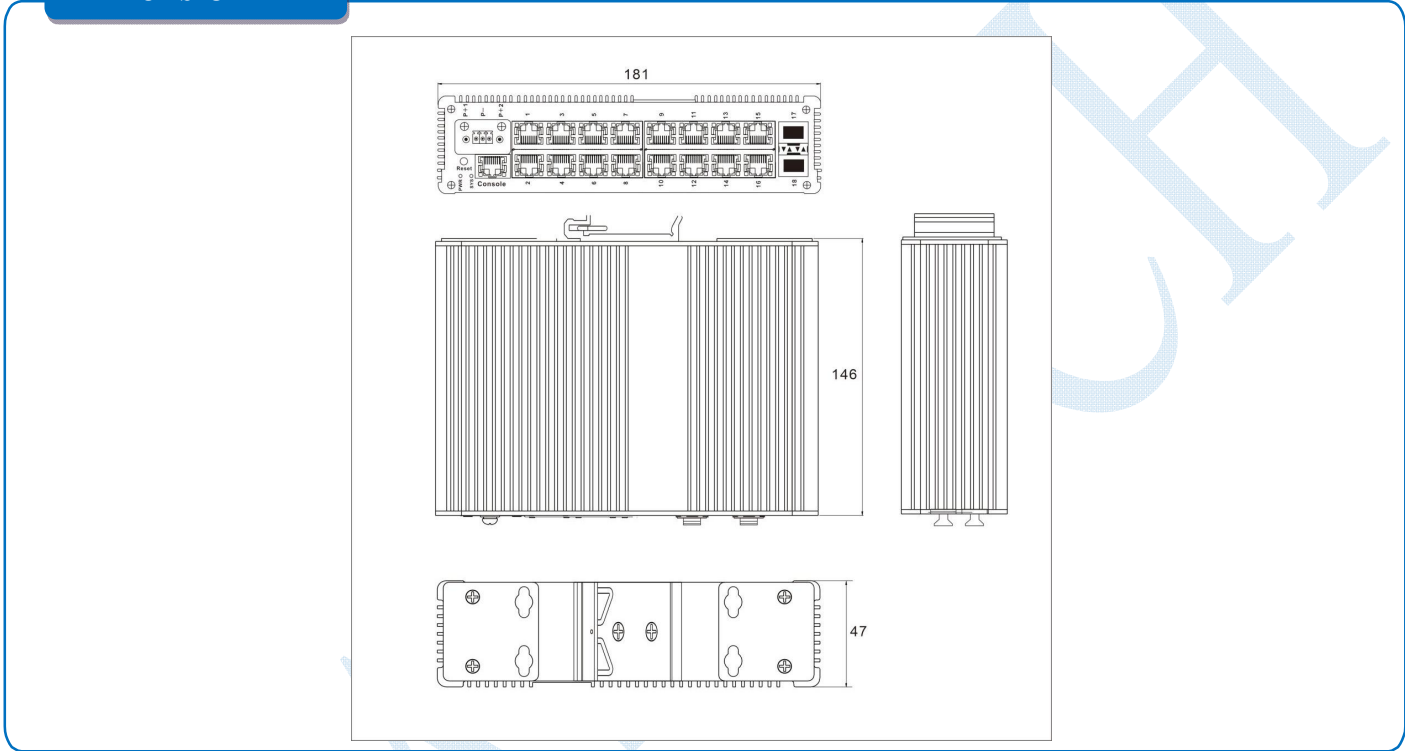
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Specification

Interface	
Fiber Port	2*100/1000Base-X SFP
Ethernet Port	16*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/AC 100-240V 50-60HZ
Power consumption	Non-POE full load (Total power) <10W
L2 Features	
Exchange capacity	52G
Packet forwarding rate	47.6Mpps
MAC address table	16K, Filtering by client MAC address
VLAN support and quantity	Support 4K
Report buffer	8M
Forwarding delay	<10us
Port characteristics	Cross-connect and direct-adaptive
Flow control	Support
Jumbo frame support	Support 10Kbytes
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
	Traffic prioritization (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	1.5KG

Dimension

Order Information

Model No.	Description of Goods
JHA-MIGS216H	Managed Industrial Ethernet Switch, 2 1000Base-X SFP Slot and 16 10/100/1000Base-T(X), DIN-Rail, DC10-58V, -40-85°C Operating Temperature
Power Supply: DC24V DIN-Rail Power Supply or Power Adapter is Optional.	

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