

JHA-MIGS416HG

20-port Managed Industrial Ethernet Switch, with 4 1000Base-X SFP Slot and 16 10/100/1000Base-T(X) Ethernet Port

Features



- Support 4 1000Base-X SFP slot and 16 10/100/1000Base-T(X) Ethernet port.
- Support Auto-MDIX, and full/half duplex self-negotiation mode;
- Provide SC/FC/ST/LC interface fiber port, support single/dual fiber transmission;
- Support 10K bytes giant frame, compatible with various extension protocol; Support IPv6 Protocol;
- 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

JJHA-MIGS416HG is a new generation Managed Industrial ethernet switch with 16-Port 10/100/1000Base-TX and 4-Port 100/1000Base-X SFP Slot that provide stable and reliable Ethernet transmission offered by JHA TECH, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

With dual power input design, JHA-MIGS416HG can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 85 ° C. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent

transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

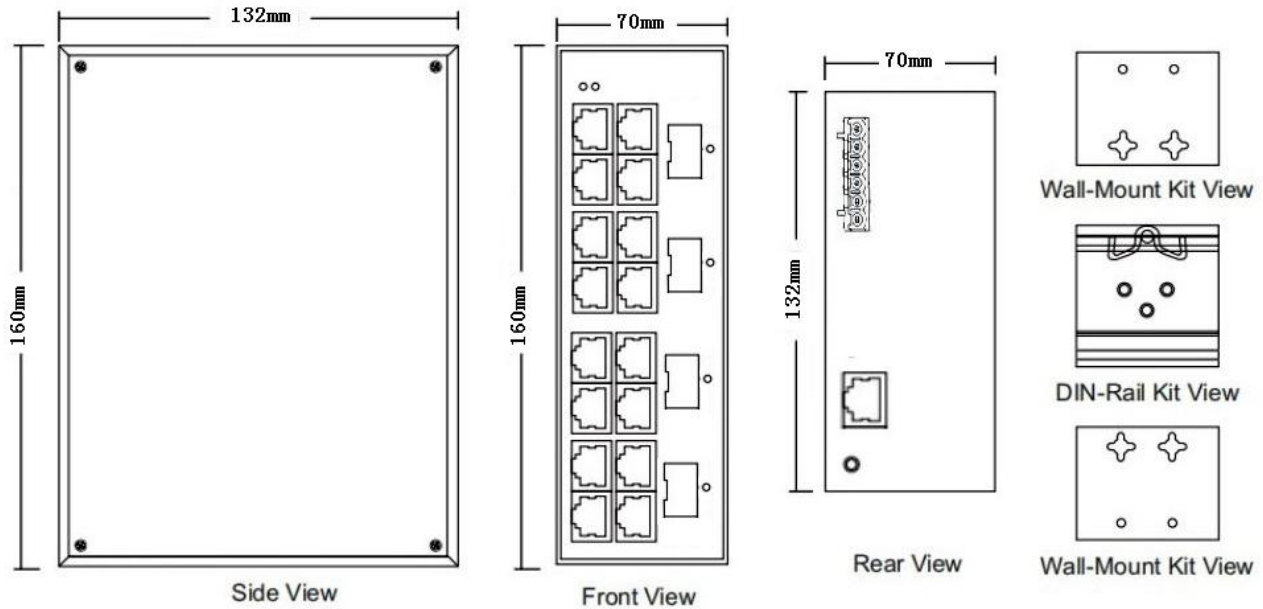
Specification

Interface	
Fiber Port	4*100/1000Base-X SFP
Ethernet Port	16*10/100/1000 Base-T
Manage Port	1*RJ45 Console port
Ethernet standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3ah IEEE802.1X IEEE802.1Q
Packet buffer	4Mbits
Maximum packet length	Up to 10KBytes
MAC address table	8K
Transmission mode	Store and Forward(full/half duplex mode)
Exchange property	Delay time: < 7μs Backplane bandwidth: 40Gbps Packet forwarding rate: 1488100 (64Byte)
LED Indicator	Power: Connect-always RJ45 : Link/Act: connect-always; data exchange-twinkle Speed light: 100Mbps-always; 10Mbps-twinkle Fiber : Link/Act: connect-always; data exchange-twinkle SYS: System running light
Physical Property	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	160mm x 132mm x 70mm (L x W x H)
Installation mode	DIN trail/wall-mountable
Weight	1200g
Working Environment	
Operating Temperature	-40°C~85°C
Operating Humidity	5%~90% non-condensing
Storage	-40°C~85°C
Warranty	
MTBF	500,000 hours
Defects Liability Period	3 year warranty, lifetime technical support
Certification Standard	
EMI	FCC Part15 Subpart B Class A,EN 55022 Class

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EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1

Software Features	Redundant network: STP, RSTP, MSTP, IT-T G.8032 Ethernet Ring Protection Switching (ERPS)for redundant cabling ERPS/ Ring for Redundant Cabling, recovery time<20ms in 250 devices
	Multicast: IGMP Snooping V1/V2/V3
	VLAN: IEEE 802.1Q4K VLAN, GVRP, GMRP, QINQ
	Link Aggregation: Dynamic IEEE 802.3ad LACP Link Aggregation, Static Link Aggregation
	QOS: COS, DSCP, 8 queues, WRR/SP/WFQ scheduling, QOS Policy
	Management Function: CLI, Web based management, SNMP v1/v2c/v3, Telnet/SSH server for management
	Diagnostic Maintenance: Port mirroring, Ping
	Alarm management: 1 way relay alarm output, RMON, SNMP Trap
	RMON, MIBII, Port mirroring, Event syslog, DNS, SNTP, IEEE 802.1ab LLDP
	Security: DHCP Server/Client/Relay option 82/Snooping User hierarchical management
	Flexibility security: Port based and MAC based IEEE 802.1X, ACL, HTTP/HTTPS, SSL/SSH v2
	Broadcast storm suppression, Un known-Multicast suppression and Unknown-Unicast suppression
	Software upgrade via HTTP, redundant firmware to avoid upgrade failure

Dimension



Order Information

Model No.	Description of Goods
JHA-MIGS416HG	Managed Industrial Ethernet Switch, 4 1000Base-X SFP Slot and 16 10/100/1000Base-T(X), DIN-Rail, DC10-58V, -40-85° C Operating Temperature
JHA-MIGS416PHG	Managed Industrial PoE Switch, 16 10/100/1000Base-T(X) PoE/PoE+ and 4 1000Base-X SFP Slot, 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)	