

AP-IGS9016P

DIN-Rail Layer 2 Industrial Ethernet Switch

4× Gigabit SFP Optical Ports &
16× 10/100/1000Mbps TX Ports

HIGHLIGHTS

- 4× Gigabit SFP Fiber Ports & 16× 10/100/1000Base-T Ethernet Ports.
- Support 18~72VDC redundant power input, support relay alarm output.
- High-strength aluminum alloy enclosure structure to resist shock and vibration, robust and durable.
- Industrial fanless dustproof design is stable and reliable, suitable for long-time work.
- Support AutoSniffer device management software, intelligent industrial network management.



PRODUCT OVERVIEW

AP-IGS9016P managed DIN-Rail Layer 2 industrial Ethernet switch is designed for network communication in smart city, new energy, intelligent transport and industrial automation, etc. It complies with the industry standards such as EN60950, EN50032, and obtains many certifications such as CE, FCC, etc. It is suitable for the industrial field environment with severe requirements, and provides highly reliable industrial network connection solutions for different industrial application sites. It is suitable for harsh industrial environments and can provide highly reliable industrial network connectivity solutions for different industrial applications.

AP-IGS9016P adopts store-and-forward switching method and can provide 16×10/100/1000 Base-TX RJ45 ports, all TX supports maximum 30W (802.3at standard) POE+ power supply, and 4 Gigabit SFP optical port slots. AP-IGS9016P supports network management functions based on command line CLI, Telnet, SNMP, SSH, Web page, etc. It also supports Layer 2 switching functions such as Virtual LAN (VLAN), Multicast Snooping (IGMP Snooping), Link Aggregation Convergence (LACP), and Quality of Service (QoS).

PRODUCT SPECIFICATIONS

Hardware Specifications

Item	AP-IGS9016P
Compliances	
Standards	IEEE 802.3i(10Base-T) IEEE 802.3u(100Base-TX) IEEE 802.3ab(1000Base-T) IEEE 802.3z(1000Base-SX/LX) IEEE 802.3ad(Port Aggregation) IEEE 802.3x(Flow Control) IEEE 802.1p (Priority) IEEE 802.1Q(VLAN) IEEE 802.1d(STP) IEEE 802.1w(RSTP) IEEE 802.3af (POE) IEEE 802.3at (POE+)
Switch Properties	
Switching Characteristics	Store and forward
Switching Capacity	40Gbps
Packet Forwarding Rate	17.86Mpps
Cache Capacity	12Mbit
MAC Address	16K
Switching Delay	<10μs
Port Performance	
Electrical port	16x 10/100/1000Base-TX ports, RJ45, auto flow control, full/half duplex mode, MDI/MDI-X auto-detect, All TX supports up to 30W (802.3at standard) POE+ power supply
Optical port	4 Gigabit SFP Optical Port Slot, LC
Network Management Port	1 Console management port (RS-232), RJ45
LED Indicator	System indicator (SYS), Power indicator (P1,P2), Interface indicator (Link/ACT)
Main characteristics	
VLAN characterization	IEEE802.1Q VLAN
Reliability	Support STP, RSTP, MSTP, MRP Supports LACP load balancing Supports G.8032 standardized ring protocol (ERPS) Supports Loopback detection
Safety	Support port speed limit Supports storm control for bps and pps
Multicast	Support IGMP v1/v2/v3 snooping, IGMP Fast leave
QoS	Supports ACL-based flows, VLAN ID, COS, DSCP Supports DSCP, COS/802.1p prioritization, Supports 8 queues per port Supports SP, WRR queue scheduling algorithms
ACL	Supports IP ACLs that match based on fields such as source/destination IP, IP protocol type, IP precedence, TCP/UDP source and destination Match based on source/destination IP, IP protocol type, IP priority, TCP/UDP source and destination port number, etc. Supports MAC ACL, matching based on source/destination MAC, VLAN ID, COS and other fields. Supports IP+MAC combination ACL
Management Operations and Maintenance	
	Support for CLI IPv4 HTTP IPv4 FTP/TFTP IPv4 SNMP/NTP SSH support for Ipv4 IPv4 syslog support Support for SNMPv1/v2c/v3 Support MIB interface, support Trap Supports Dual IMG LLDP support
Mechanical properties	
Dimensions	77mm×140mm×187mm(W×D×H)
Weight	1.58kg
Mounting	DIN-rail, optional wall mounted
Other	IP40 rated, pleated high-strength aluminum housing

PRODUCT SPECIFICATIONS

Hardware Specifications

Item	AP-IGS9016P		
Electrical Performance			
Input Voltage	48VDC (44-57V) redundant power input, support overload, reverse connection protection, 6-pin 5.08mm pitch terminal block (relay occupies 2 positions)		
Alarm Port	Support 1 relay alarm output, terminal block		
Wattage	Non-POE <23W POE: Supports up to 30W per TX (802.3at standard) POE+ power supply		
Working environment			
Working Temperature	-40°C ~ 75°C		
Storage Temperature	-40°C ~ 85°C		
Relative humidity	5%~95% (non-condensing)		
Standardized Certification			
System Certification	ISO9001, ISO14001		
Standard Certification	CE, FCC, Telecommunications equipment network access license		
Safety	EN60950		
EMC	EMI	FCC CFR47 Part 15B Class A, CE EN55032 Class A	
	EMS	ESD	EN61000-4-2
		RS	EN61000-4-3
		EFT	EN61000-4-4
		Surge	EN61000-4-5
		CS	EN61000-4-6
		PfMF	EN61000-4-8
Vibratory	IEC 60068-2-6		
Impact	Conforms to IEC 60068-2-27		
Free fall	Conforms to IEC 60068-2-32		
MTBF	More than 500,000 hours		



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