

AP-IGS9028P

Rackmount L2 Industrial Ethernet Switches

4 Gigabit port slots for fiber,
24 Gigabit TX ports

HIGHLIGHTS

- 4 Gigabit port slots for fiber 24 Gigabit, TX ports.
- Electrical port support IEEE 802.3at standard (POE +).
- Recovery time of ring network < 20ms.
- High strength aluminum alloy sealed shell structure.
- Industrial Fanless design, Suitable for long working hours.
- Support Auto Sniffer device management software.



PRODUCT OVERVIEW

AP-IGS9028P Rackmount Layer 2 Industrial Ethernet Switch is designed for network communication in industrial fields such as smart city, new energy, intelligent transportation and industrial automation, etc. It complies with industry standards such as EN60950, EN50032, and obtains many certifications such as CE, FCC, etc. It is suitable for industrial field environments with strict requirements for EMC (Class 3), and can Provide highly reliable industrial network connectivity solutions for different industrial applications.

AP-IGS9028P adopts store-and-forward switching and provides 24*10/100/1000 Base-TX RJ45 ports, all TX ports support up to 30W (802.3at standard) POE+ power supply, and 4 Gigabit Combo optical slots.

AP-IGS9028P 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-IGS9028P
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	
Mode	Store and forward
Switching Capacity	56Gbps
Forwarding Rate	41.66Mpps
Date buffer	12Mbit
MAC Address	16K
Switching Delay	<10μs
Physical port	
Electrical port	24 x 10/100/1000Base-TX ports, RJ45, automatic flow control, full/half duplex mode, MDI/MDI-X auto-detect, all electrical ports support 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 (SYS), Power (P1,P2), PORT (Link/ACT) POE indicator (POE)
Main Features	
VLAN	Support IEEE802.1Q VLAN
Reliability	Support STP, RSTP, MSTP, MRP Supports LACP load balancing Supports G.8032 standardized ring protocol (ERPS) Supports Loopback detection
Security	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
Security Network Management	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	
Dimensions	440mm×300mm×44mm (W×D×H)
Weight	4.5kg
Installation	19-inch 1U Rackmount
Protection	IP30 rated, pleated high-strength metal housing, heat sinks for heat dissipation

PRODUCT SPECIFICATIONS

Hardware Specifications

Item	AP-IGS9028P		
Electrical			
Input Voltage	220V AC power input		
Alarm Port	Support 1 relay alarm output, terminal block		
Power	Non-POE <18W POE: All ports support up to 30W (802.3at standard) power supply,maximum PoE power supply power 370W		
Working environment			
Operating Temperature	-40°C ~ 75°C		
Storage Temperature	-40°C ~ 85°C		
Relative Humidity	5%~95% (Non-condensing)		
Certification			
System Certification	ISO9001, ISO14001		
Standard Certification	CE, FCC, 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
		PFFM	EN61000-4-8
Vibratory	Compliance with IEC 60068-2-6		
Shock	Compliance with IEC 60068-2-27		
Free fall	Conforms to IEC 60068-2-32		
MTBF	Mean Time Between Failure (MTBF) greater than 500,000 hours		



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