

ISW5100-8GT4GP-POE-IN

Gigabit Industrial Managed PoE Switch

Product Picture



Key Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z /ab, IEEE802.1Q, IEEE802.1p, IEEE802.1d/w
- Support PoE power management and PoE Watchdog based on data flow detection
- Support IEEE802.3af (15.4W) and IEEE802.3at (30W)
- Support SNMP v1/v2/v3 Simple Network Management Protocol
- Support IGMP Snooping, static multicast filtering, and MLD Snooping filtering
- Support 802.1x port authentication and AAA authentication to enhance network security
- Support WEB, Telnet, CLI, SSH management
- IP40 protection level, high-strength aluminum shell, DIN35 rail installation
- Industrial grade 4-level design, operating temperature from -40~75°C
- Support redundant power supply connection and anti reverse connection

Specifications

Hardware Specification

Model	ISW5100-8GT4GP-POE-IN
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1d, IEEE 802.1w,
Interface	8*10/100/1000Mbps RJ45 PoE Ports 4*1000Mbps SFP Slots 1 Console Port
MAC Address Table	8K
Packet Buffer	4.1M bit
Transfer Mode	Store-and-forward
Packet Forward Speed	17.85Mpps
Switching Capacity	24Gbps
Dimensions(L*W*H)	164*107*51mm
Fan Quantity	Fanless
PoE Power Budget	According to the adapter
PoE Port	Port 1~8
PoE Power Output	30W (MAX for single port)
POE Standard	IEEE 802.3af, IEEE 802.3at
Input Power Supply	DC12~55V DC48~55V (PoE) Power wiring: 4 PIN industrial terminals (redundant V1+V1-, V2+V2-)
Mainboard Power Consumption	15W
Operating Temperature	-40°C to 75 °C
Storage Temperature	-40 °C ~ 85 °C
Operating Humidity	10% ~ 95% non-condensing
Storage Humidity	5% ~ 95% non-condensing
Indicator	PWR Green LED On: Powered on Off: Powered off SYS Green LED Flashing: System startup in progress On: System startup completed Ports 1-8 Green LED Slow Flashing: 10/100/1000Mbps Link normal Off: Link blocked

	<p>Fast Flashing: Data transmitting</p> <p>POE Yellow LED</p> <p>On: PoE powered on</p> <p>Off: PoE powered off</p> <p>Ports G9-G12 Green LED</p> <p>On: 10/100/1000Mbps Link normal</p> <p>Off: Link blocked</p> <p>Flashing: Data transmitting</p>	
LED Mode Button&Reset	<p>Dual color LED selection: default green (link data), switch yellow LED(PoE)</p> <p>Long press for 6 seconds to restore factory settings</p>	
Installation	Desktop, Wall mounting installation, Rail installation	
Surge Protection	<p>Port Surge: Common mode 6KV, Differential mode 2KV (Class B)</p> <p>Electrostatic ESD: Air 8KV, Contact 6KV (Class B)</p>	

Software Specification

Model	ISW5100-8GT4GP-POE-IN
IPv4	IPv4 VLAN Interface
	IPv4 Static Routes
	ARP
IPv6	IPv6 VLAN Interface
	IPv6 Static Routes
	IPv6 ND
Port	Port Switch configuration
	Port Description configuration
	Port Speed configuration
	Port Duplex configuration
	Port Flow Control configuration
	Jumbo Frame
	EEE
	Fiber Module(DDM)
Link Aggregation	Support load balance policy; Base on MAC and IP-MAC
	Static and Dynamic Group
	Up to 8 groups
	Support LACP
Storm Control	Boardcast suppression
	Unknown Multicast
	Unknown Unicast
Port Mirroring	One to one monitor
	Many to one monitor

	Ingress/Egress/Both Up to 4 session groups
Port Security	MAC Address Constraints
	Port Security MAC Address
	Protect/Restrict/Shutdown
Port Isolation	Support
Port Rate-limit	Support
Loopback Detection	Support
VLAN	Access/Trunk/Hybrid
	VLAN Tunnel (Q-in-Q Tunnel)
	VLAN range 1-4094, maximum active VLAN is 4K
	Voice VLAN
	MAC VLAN
	Surveillance VLAN
	Protocol VLAN
	GVRP
MAC Address	Dynamic MAC address
	Static MAC address
	Filtering MAC Address
Spanning Tree Protocol	STP/RSTP/MSTP
	BPDU Filter
	BPDU Guard
	Edge Port
LLDP	LLDP
	LLDP MED
Multicast	IGMP Snooping
	IGMP V1/V2/V3
	Router Port
	Static IGMP group address
	IGMP groups filtering
	Querier
	MLD Snooping
	MVR
QoS	Traffic classification based, Strict priority and WRR
	Port Priority
	802.1P Priority
	IP TOS Priority
	IP DSCP Priority
	Support up to 8 queues per port
	Priority Remarking
ERPS	Only SFP port
DHCP	DHCP Server

	IP Pool
	Static Binding
	Option 43
	DHCP Relay
Access Protocol	HTTP
	HTTPS
	Telnet
	SSHv2
	Manager ACL
	Session Timeout
	Password Retry Count
AAA	Silent Time
	RADIUS
	TACACS+
	802.1X
DHCP Snooping	Base on port/MAC/local/WEB
	Global/VLAN
	Option 82
IP Source Guard	Circuit ID
	Support
Dynamic ARP Inspection	Support
DoS	Support
ACL	MAC ACL
	IPv4 ACL
	IPv6 ACL
Syslog	Logging Message
	Remote Server
Ping	Support
Traceroute	Support
Copper Test	Support
UDLD	Support
Port Statistics	Support
Manager Access	Console
	HTTP/HTTPS
	Telnet
	SSH
	SNMP
Manager IP	Static Address
	DHCP Client
	Support IPv4 and IPv6 address

	Manager VLAN
	DNS
Time Synchronization	SNTP
	Manual Time
SNMP	V1/V2C/V3
	Community
	V3 User
	Group
	Trap Host
SNMP MIB	RFC 1213 MIB-II
	RFC 1493 Bridge MIB
	RFC 1643 Ethernet MIB
	RFC 2819 RMON MIB (Groups 1, 2, 3 and 9)
	RFC 2863 Interface MIB
	LLDP
	Private MIB
Firmware Management	Firmware upgrade
Configuration Management	Upload and download
Save	Support
Restart	Support
Factory Defaults	Support

Zhejiang Uniview Technologies Co., Ltd.

No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, Zhejiang Province, China

Email: overseasbusiness@uniview.com; globalsupport@uniview.com

<http://www.uniview.com>

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Product specifications and availability are subject to change without notice.