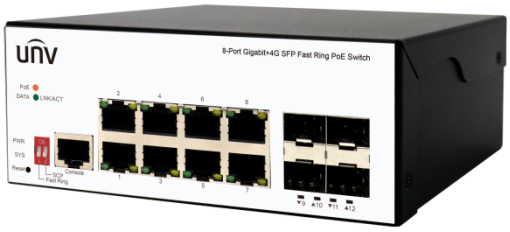
Harsh Fast Ring Managed PoE Switch

ISW5000-8GT4GP-POE-IN



Surge protection

Overview

ISW5000-8GT4GP-PoE-IN is a managed Ring-network harsh PoE switch independently developed by Uniview. It has 8*10/100/1000Mbps adaptive RJ45 ports and 4*1000Mbps SFP fiber module expansion slots. 1-8 RJ45 ports all support PoE power supply, a single port up to 30W.Support static routing functions, provide perfect security, QoS, and plenty of VLAN function has ring network function, can form a ring network, Switch between by hand in hand form a ring network topology, the redundancy, high reliability characteristics can make in a ring online link disconnected all the way, will not affect the forwarding of data on the network.The device adopts no fan, low power consumption design, has the advantages of easy to use, compact and beautiful, simple installation. The product is designed to meet Ethernet standards, with lightning protection, static protection mechanism, operating temperature range of -30°C to 65°C, stable performance, safety and reliability, can be widely used in intelligent transportation, telecommunications, security, financial securities, customs and other broadband data transmission fields.

Features

- PoE supports IEEE 802.3af/at standards and provides a maximum output of 30W for each port;
- Data transmission and power supply distance up to 100 meters;
- Supports IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control；
- Panel indicators monitor working status and assist in fault analysis;
- Supports one-click ring network and one-click storm suppression, featuring redundancy and high reliability;
- Highly reliable design, supporting traditional STP/MSTP/RSTP Layer 2 link protection technology;
- Support static convergence and dynamic convergence (LACP) 2 convergence modes, effectively increase the link bandwidth, improve the reliability of the link, and at the same time can achieve load balancing, link backup;
- Flexible and convenient management and maintenance Supports various management modes, such as Console, Telnet, and SSH;
- Supports WEB management, which is simple and efficient, and facilitates installation and debugging by engineering and maintenance personnel;

- Supports file upload and download management through TFTP;

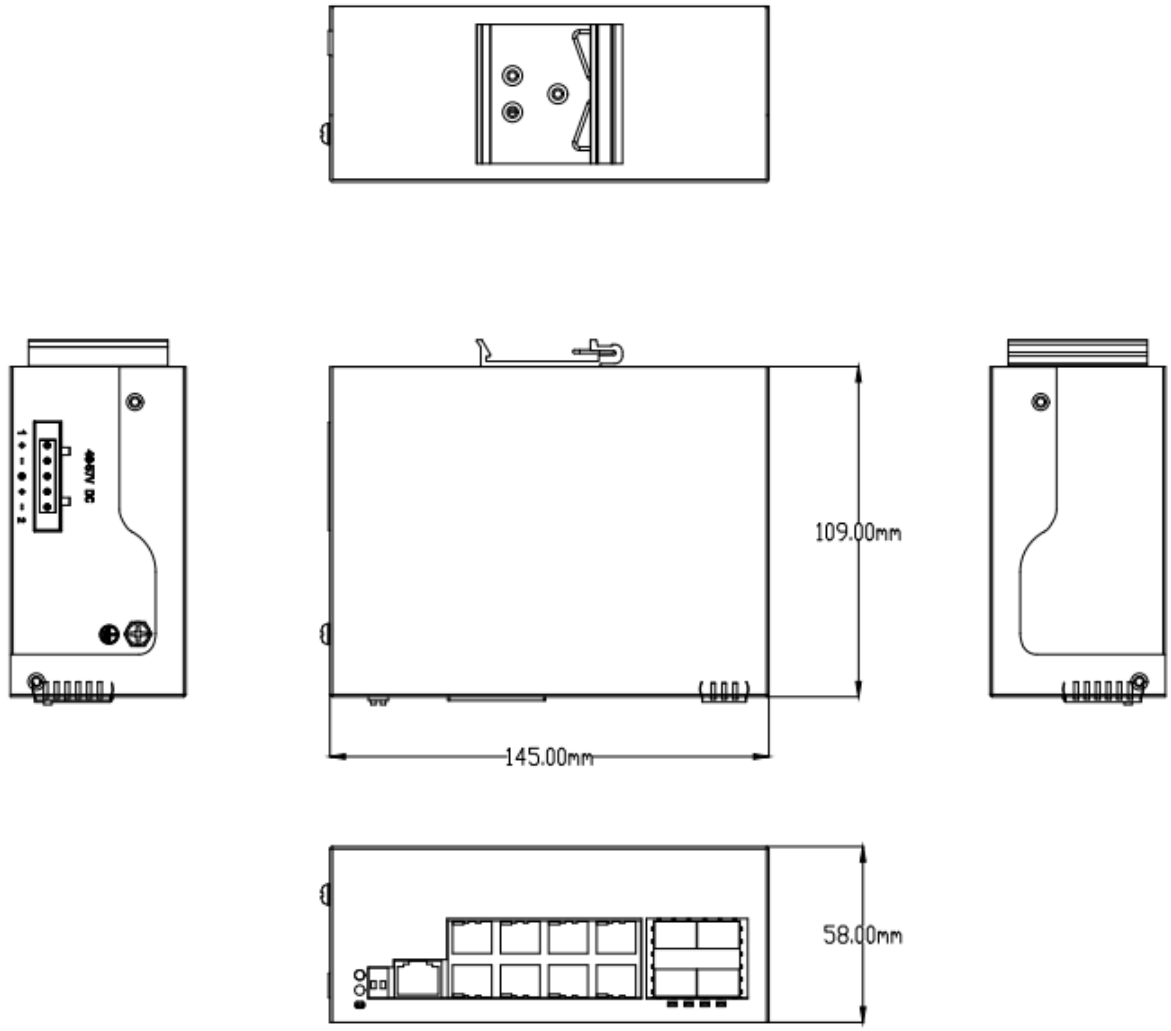
Specifications

Model	ISW5000-8GT4GP-POE-IN
Hardware Specification	
Standards	IEEE802.3、IEEE802.3u、IEEE802.3z、IEEE802.3ab、IEEE802.3x、IEEE802.3af、IEEE802.3at
Ports Type	8*10/100/1000Mbps RJ45 Ports 4*1000Mbps SFP Slots
Switching capacity	24Gbps
Jumbo Frame	9KBytes
Forwarding performance	17.86Mpps
MAC	8K
Transfer Mode	Store-and-forward
Max.PoE Power	Max capacity: 120W Max capacity for single port: 30W Mode A 1/2（-），3/6（+）
Max.Power	10W
Dimensions (W×D×H)	145*109*62.3mm
Operating Temperature	-30°C to 65 °C
Operating Humidity	5% ~ 95% non-condensing
Storage Humidity	0% ~ 95% non-condensing
Indicator	PWR, LNK/ACT
Electrostatic Standard	Contact ±6KV, Air ±8KV
Surge Protection	Differential mode ±2KV Common mode ±4KV
Power Supply	DC:48-57V, Adapter: AC100-240V, 50/60Hz
Software Specification	
Ethernet	Supports mirror (one to one, multi to one Port based mirror, support ingress, egress, and both, CPU based mirror, Flow based mirror, RSPAN.) Supports Link Aggregation (static/LACP/laod balance) Supports LLDP(802.1ab), LLDP-MED Supports Bandwidth Control, Flow Control EEE, MTU, CFM(802.1ag), EFM, OAM(802.3ah), DDM, Storm Control, Port Isolation, Port Security, Virtual Cable Test, ULDP
VLAN	VLAN(802.1Q 4K) Access/Trunk/Hybrid Private VLAN VLAN Filter MAC-based VLAN Protocol-based VLAN IP Subnet-based VLAN Voice VLAN

	GVRP/GMRP QinQ/Selective-QinQ/Flexible QinQ VLAN Translation/N:1 VLAN Translation Guest VLAN
MAC	MAC Aging Time MAC Filter MAC Notification
Multicast	Supports IGMP SNOOPING V1/V2/V3 Supports Fast Leave Supports IGMP Proxy
Reliability	Supports MRRP(Compatiable ERRP) Supports ULSM Supports ULPP(Smart Link/Monitor Link) Supports Loopback Detection,ERPS
ACL	Supports ACL based on IP/MAC/IP-MAC/User defined
QoS	Supports SP/WRR/WDRR schedule Support COS/DSCP Support traffic classification based on 802.1p/DSCP/TOS Supports CAR stream shaping
Security	Supports Radius, TACACS+, Openssl 1.1.0 Supports deny DoS attack(TCP Flag, TCP Flagment, IP Segment, ICMP) Supports access management (Based on source mac and IP address) Supports 802.1x(port/MAC Based Authentication, Support EAPoR, Guest VLAN) Supports MAC based on Port /MAC Authentication
IP Route	Static Route Route Aggregation
Maintenance	Console/Telnet/SSH Http/Https、SSL/TLS FTP/TFTP Syslog SNMP(v1/v2c/v3)、SNMP Trap SNTP/NTP CPU protect Software/Hardware watchdog Firmware Upgrade/Backup Ping/Traceroute
ARP	Static ARP ARP Scanning Prevention ARP Spoofing Prevention ARP Guard Gratuitous ARP Dynamic ARP Inspection ARP Quantity Control

DHCP	DHCP Server DHCPv4 Client/BOOTP DHCPv4 Relay DHCPv4 Snooping DHCPv4 Option 82/43/60/61/67
POE	ON/OFF Config Alive Checking for PD 7/24 On/Off Scheduling
IPv6	Supports static routing Supports MLD v1/V2 Snooping Supports IPv6 ND Snooping Supports SNMP over IPv6 Supports HTTP over IPv6 Supports SSH over IPv6 Supports DNS over IPv6 ISupports Pv6 ping/traceroute Supports IPv6 Telnet Supports IPv6 Radius+ Supports IPv6 Tacacs+ Supports IPv6 SNTP/NTP Supports IPv6 FTP/TFTP Supports IPv6 IPSec Supports IPv6 ACL Supports IPv6 (DHCPv6 Relay,DHCPv6 Snooping, IPv6 SAVI, Security RA, DHCPv6 Server)
Basic	
Installation Type	DIN-Rail, Desktop
Port Surge Protection	Common mode ±4KV
Port ESD Standard	Contact ±6KV, Air ±8KV
Certification	CE, FCC

Dimensions



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