hi-view®

NETWORK Switch

L3

28 PORT



8K MAC

IEEE 802.3AF at Standard

Plug & Play

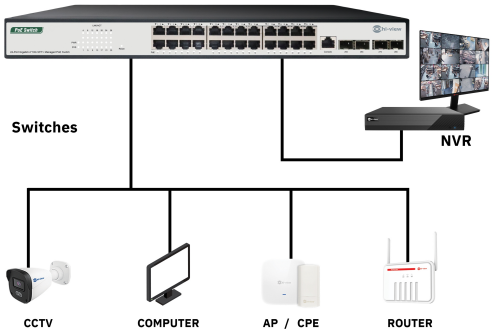
PD Alive

VLAN

Loop Protection

HR5200-28XP 24 Port Layer-3 POE+ Switch with 10G Uplink Ports

HR5200-28XP is a management PoE switch It provides 24*10M/100M/1000Mbps adaptive RJ45 ports, 4*1000M/2.5G/10Gbps SFP+ fiber module expansion slots and 1*Console port. Each RJ45 port uses store-and-forward technology, combined with dynamic memory allocation to ensure that the bandwidth is effectively allocated to each port. Ports 1-24 support PoE power supply function, support IEEE802.3af/at standard, the maximum power of the port can reach 30W, can be used as an Ethernet power supply device, can automatically detect and identify the equipment in line with the standard, and supply power to it through the network cable. Provide complete security policy, perfect QoS policy and rich VLAN functions, easy to manage and maintain, to meet the enterprise, community, hotel, office network and campus network networking and access requirements.



Product Features

- Comply with IEEE802.3, IEEE802.3U, IEEE802.3ab, IEEE802.3Z, IEEE802.3X, IEEE802.3AF, IEEE802.3AT standards;
- RJ45 supports port auto-flip (Auto-MDI/MDIX);
- Monitor the working state of the panel lamp, assist in fault analysis;
- Support IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control;
- Support Ethernet Power Saving (EEE) function (IEEE802.3az);
- Need to use 10 gigabit optical module, support SR/LR/LRM/ER/ZR and other models;
- Control of three-layer routing protocol, adapt to multiple services, efficient and guaranteed information transmission;
- IP dynamic routing protocol supports RIPv1/v2, OSPFv2, BGP4;
- Support IPv4/IPv6 static routing;

PROTECTION, RELIABILITY
ELECTRIC SAFETY

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Product Features

- Support static aggregation and dynamic aggregation (LACP) mode, effectively increase link bandwidth, improve link reliability, and realize load balancing and link backup;
- Flexible and convenient management and maintenance support Console, Telnet, SSH and other management methods;
- Support WEB management, more simple and efficient, easy to install and debug engineering and maintenance personnel;
- Support PD-ALIVE function;
- Support HTTP/TFTP/FTP file upload and download management.

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NETWORK Switch

Hardware Specifications

Model	HR5200-28XP
Interface	24*10M/100M/1000Mbps adaption RJ45 Ports 4*1000M/2.5G/10Gbps SFP+ fiber module expansion Slots 1*Console Ports
Standard	IEEE802.3, IEEE802.3ae, IEEE802.3a, IEEE802.1ab, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1q, IEEE802.1p, IEEE802.1x, IEEE802.1s, IEEE802.1d, IEEE802.1w, IEEE802.3ad, IEEE802.3af, IEEE802.3at
Network Media(Cable)	10BASE-T: UTP category 3, 4, 5 cable (≤100m) 100BASE-TX:UTP category 5, 5e cable (≤100m) 1000BASE-X:UTP category 5e, 6 cable (≤100m) 1000BASE-X: MMF, SMF modules 10GBASE-X: MMF, SMF modules 10GBASE-SR:OM1/OM2/OM3 or above MMF (2m~300m) 10GBASE-LR:IEC's B1.1 and B1.3 SMF (2m~10000m)
LED Indicator	PWR (Green), LNK/ACT (Green), SYS (Green), PoE(Orange)
MAC Address Table	16K, Auto-learning, Auto-updating
Jumbo Frame	12KByte
Packet Buffer	12Mbit
Transfer Mode	Store-and-Forward
Switching Capacity	128Gbps
Packet Forward Speed	95.23Mpps
Dimensions(L*W*H)	440*207*44.5mm
Power QTY	ACx1
Input Voltage	100-240V, 50/60Hz
PoE Total Power	370W
PoE Port	Ports 1-24
PoE Output Power	30W (Max)
PoE Power On RJ45	1/2(-)3/6(+)
Operating Temperature	0°C ~ 50°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Electrostatic Standard	Contact ±6KV,Air ±8KV
Lightning Protection Grade	Differential mode ±2KV, common mode ±4KV
MTBF	>50000 hours

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Software Specification

L3 Features	DHCP Server	DHCP Server
		DHCPv6 Server
	Route	Static Route(IPV4/IPV6)
		Route Aggregation
	RIP	RIP v1/v2/RIPng
	OSPF	OSPF v2/v3
	BGP	BGP4/BGP6
	VRRP	IPv4/IPv6 VRRP
	PIM	IPv4/IPv6 PIM
	Stacking	Stacking VSF
L2 Features	MAC Address Table	MAC Aging Time
		MAC Filter
		MAC Notification
	Basic Management	Console/Telnet/SSH
		Http/Https, SSL/TLS
		FTP/TFTP
		Syslog
		SNMP(v1/v2c/v3), SNMP Trap
		RMON
		SNTP/NTP
		CPU protect
		Software/Hardware watchdog
		Firmware Upgrade/Backup
		Ping/Traceroute
		Onvif
		ZTP
	Port Config	Bandwidth Control
		Flow Control
		EEE
		MTU
		CFM(802.1ag)
		EFM OAM(802.3ah)
		DDM
		Storm Control
		Port Isolation
		Port Security
		Virtual Cable Test
		ULDP/Cisco UDLD
	Discovery	LLDP(802.1ab)
		LLDP-MED
	Link Aggregation	Static

		LACP(802.3ad)
		Load Balance(src-mac/dst-mac/src-ip/dst-ip)
		Max groups and ports per group
	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
	Network Loop Detection	Loopback Detection
		ERPS
	Spanning Tree	STP/RSTP/MSTP
		MSTP Support 64 instance
		BPDU Guard/Root Guard/BPDU Tunnel
	ARP	Static ARP
		ARP Scanning Prevention
		ARP Spoofing Prevention
		ARP Guard
		Gratuitous ARP
		Dynamic ARP Inspection
		ARP Quantity Control
IPv4 Related Function	**ICMP**	Anti ICMP Attack
		ICMP Rate Limit
		ICMP Unreachable Drop
	Control Multicast	DCSCM
	Multicast VLAN	Multicast VALN
	IGMP	IGMP SNOOPING V1/V2/V3
		Fast Leave
		IGMP Proxy
	DHCP	DHCP Client/BOOTP
		DHCP Relay
		DHCP Snooping
		DHCP Option 82/43/60/61/67
IPv6 Related Function	**IPv6 Basic**	IPv6 ND Snooping
	DHCPv6	DHCPv6 Relay
		DHCPv6 Snooping

		IPv6 SAVI
		Security RA
	IPv6 Multicast Routing	MLD v1/V2 Snooping
	IPv6 Features	SNMP over IPv6 Support
		HTTP over IPv6 Support
		SSH over IPv6 Support
		DNS over IPv6 Support
		IPv6 ping/traceroute Support
		IPv6 Telnet Support
		IPv6 Radius+ Support
		IPv6 Tacacs+ Support
		IPv6 SNTP/NTP Support
		IPv6 FTP/TFTP Support
		IPv6 IPSec Support
		IPv6 ACL
QoS(Quality Of Service)	**Basic**	Trust COS/DSCP
		Trust Port
	Scheduling	SP
		WRR
		WDRR
	PolicyMap Stream	Based on VLAN
		Based on COS/DSCP
		Aggregate PolicyMap
		Ingress PolicyMap
	Policing	CAR Stream Shaping(leak algorithm)
		Ingress Policing
	Rewrite	COS/802.1p Priority
		IP Precedence
		IPv4 DSCP/IPv6 DSCP
		drop-precedence
		internal-priority
		Ingress/Egress Rewrite
	Queuing	DSCP to DSCP mapping
		DSCP to DP mapping
		DSCP to Queue mapping
		COS to DP mapping
		COS to Queue mapping
ACL	**IP-ACL**	SIP/DIP
		IP Protocol
		IP Priority(DSCP,TOS, Precedence)
		TCP,UDP src,dst Port
	MAC-ACL	SRC/DST MAC

		VLAN
		COS
		Tag/Untag
	IP-MAC ACL	MAC-ACL and IP-ACL
	User-defined ACL	Base on user defined profile
	ACL Features	Based on time period ACL
		ACL on VLAN
		Based on ACL Stream
Security	**802.1x**	Port Based Authentication
		Support EAPoR
		MAC based Authentication
		Guest VLAN
	MAB	Based on Port Authentication
		Based on MAC Authentication
	MAC Address Count Limit	Based on Port
		Based on VLAN
	IP Address Count Limit	Based on Port
		Based on VLAN
	Access Management	Based on source mac and IP address
	Deny DoS Attack	TCP Flag
		TCP Flagment
		IP Segment
		ICMP
	TACACS+	Standard Support
	Radius	Standard Support
		Client, Support MD5
	SSL	Openssl 1.1.0
Redundancy Related Function	**MRPP**	Compatiable ERRP
	ULPP	Uplink Protection Protocol
		Smart Link/Monitor Link
	ULSM	Uplink State Monitor
Flow Monitor Function	**Mirror**	Support one to one, multi to one
		Port based mirror, support ingress, egress, and both
		CPU based mirror
		Flow based mirror
		RSPAN
PoE	**PoE Management**	ON/OFF Config
		Alive Checking for PD
		7/24 On/Off Scheduling