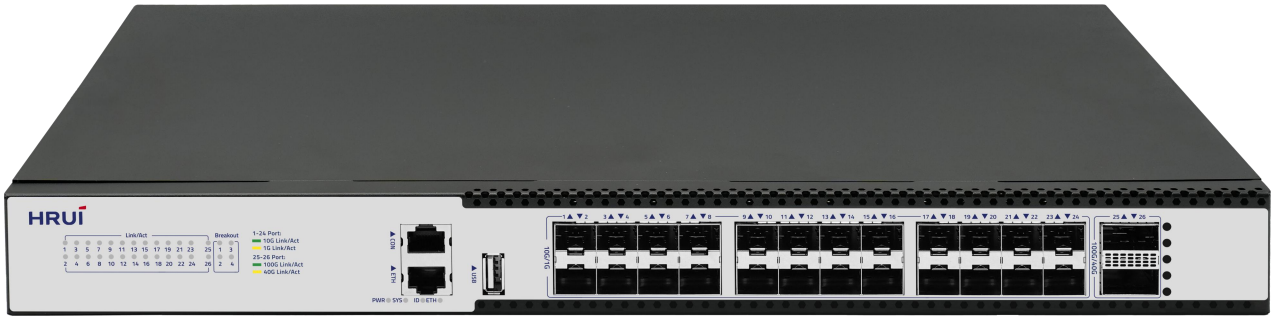
24-Port 10G SFP+ and 2-Port 100G QSFP28 L3 Managed Switch



Product Highlights

- Support 24*10Gbps SFP+ Ports+ 2*100Gbps QSFP28 ports
- 100G/40Gbps ports (support 25G/10Gbps module splitting rates)
- 1*Console port, 1*ETH port, 1*USB port
- Operating Temperature: 0~45°C
- Support Cut-Through forwarding mode with fixed transmission delay
- Support complete L2/L3 features

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Hardware Features

Description	Specification
Model	HR530S-24S2CQ
Interface	24*10Gbps SFP+ ports 2*100Gbps QSFP28 ports 1*Console port, 1*ETH port 1*USB port
Port Standard	IEEE802.3 (Ethernet) IEEE 802.3ae (10G Ethernet) IEEE 802.3ba (40/100G Ethernet) IEEE802.3x (Flow Control) IEEE 802.3az (Energy Efficient Ethernet) IEEE 802.3ad (link Aggregation) IEEE 802.1AB LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1D Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) IEEE 802.1Q (Virtual VLAN) IEEE 802.1p (VLAN Label) IEEE 802.1X (User uthentification)
Switching Bandwidth	880Gbps
Packet Forwarding Rate	476Mpps
Memory	2GB
Flash Memory	8GB
Packet Buffer	9Mbit
MAC Address Table	98K
Jumbo Frame	9216Kbytes
VLAN	4K VLAN
Transmission Method	Store and Forward
Power Supply	AC 100-240V 50/60Hz DC 12V12.5A
Mainboard Power Consumption	30.67W
Surge Protection	Port Surge: Common mode 4KV, Differential mode 2KV(Class A) Electrostatic ESD: Air 8KV, Contact 6KV(Class C)

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Hardware Features

Description	Specification
Structure Information	Product Dimensions: 440*280*44mm Packaging Dimensions: 500*365*85mm Product Net Weight: 3.63KG Product Gross Weight: 4.36KG
Packing Information	Carton Dimensions: 520*190*385mm Packing Quantity: 2PCS Packing Weight: 9.72KG
Package Contents	Switch 1pcs, Power Cord 1pcs, Manual 1pcs, Certificate of Inspection 1pcs, Rack-mounted kit 1 pair, Network cable 1pcs
Fan Quantity	4
Installation	Desktop, Rack-mounting
Certification	CE, FCC, ROHS
Operating Temperature	0~45°C
Storage Temperature	-40~70°C
Operation Humidity	10%~90%, non condensing
Storage Humidity	0%~95%, non condensing
ID Green LED	On: ID indication on Off: ID indication off
ETH	Green LED on: 1Gbps Link normal Yellow LED on: 10/100Mbps Link normal Off: Link blocked Flashing: Data transmitting
PWR Green LED	On: Powered on Off: Powered off
SYS	Green LED on: The system is starting up or running normally Yellow LED on: System abnormal alarm or other errors Off: The system is not powered on or running abnormally

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Hardware Features

Description	Specification
Ports 1-24	Green LED on: 10Gbps Link normal Yellow LED on: 1Gbps Link normal Off: Link blocked Flashing: Data transmitting
Ports 25~26	Green LED on: 100Gbps Link normal Yellow LED on: 40G Link normal Off: Link blocked Flashing: Data transmitting
Breakout	Loop flashing: Data transmission

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Software Features

Description	Specification
L3 Function	
IPv4	IPv4 VLAN Interface IPv4 Static Routes IPv4 Black Hole Routing Static routing and IP SLA linkage uRPF ARP Gratuitous ARP ARP Proxy
IPv6	IPv6 VLAN Interface IPv6 Static Routes IPv6 Black Hole Routing ICMP V6 IPv6 ND
RIP	V2
OSPF	Router-ID Authentication V2
ECMP	SLB DLB RR
NAT	Support
VRRP	V2 Track for VRRP V2

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Software Features

Description	Specification
L2 Function	
Port	Port Switch Port Description Port Speed Port Duplex Port Flow Control Support 10G/1G Support 40G/100G Jumbo, Up to 9600 bytes Fiber Module(DDM) 2.5G Electrical Port
Link Aggregation	Support load balance policy; Base on MAC and IP-MAC SLB DLB RR Static and Dynamic Group Support LACP Up to 16 groups
Storm Control	Boardcast Unknown Multicast Unknown Unicast
Port Mirroring	Based on Port Based on Flow Use CPU as mirror source Use CPU as mirror destination One to one monitor Many to one monitor Ingress/Egress/Both Up to 4 session groups

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Software Features

Description	Specification
Port Security	MAC Address Constraints Port Security MAC Address Protect/Restrict/Shutdown
Port Isolation	L2 Traffic Isolation ALL Traffic Isolation
Loopback Detection	Boardcast
VLAN	Access / Trunk Congurable VID from 1 - 4094;Max. 4K static VLAN groups MAC VLAN Protocol VLAN IP VLAN Private VLAN VLAN Statistics Basic QinQ VLAN Flexible QinQ VLAN mapping
MAC Address	Dynamic Address Static Address Filtering Address MAC drift check
Spnning Tree Protocol	STP/RSTP/MSTP BPDU Filter BPDU Guard Root Guard Loop Guard Edge Port Anti TC-BPDU attack
LLDP	LLDP LLDP MED

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Software Features

Description	Specification
Multicast	IGMP Snnoping
	IGMP V1/V2/V3
	Router Port
	Static IGMP group address
	Querier
QoS	Strict Priority and WDRR
	Congestion avoidance: TD(Tail Drop) / WRED
	802.1P Priority
	IP DSCP Priority
	Flow classification by ACL
	Traffic Redirect
	Traffic Mirroring
	Traffic shaping：Queue / Port
	Traffic statistics
	Support up to 8 queues per port
	Priority Remarking
ERPS	Dynamic Address
G8032	STP/RSTP/MSTP
L2 Protocol Transparent	CDP/CFM/DOT1X/SLOW-PROTO/VTP
	LLDP/STP
Services	
DHCP	DHCP Server
	IP Pool
	Static Binding
	DHCP Relay
	Option 43
Access Protocol	HTTP
	HTTPS
	Telnet
	SSH
	RPC-API
	Manager ACL
	Session Timeout
	Password Retry Count
	Silent Time

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Software Features

Description	Specification
Security	
AAA	Authentication Authorization Accounting RADIUS TACACS+ 802.1X Base on port/MAC/local Guest VLAN
DHCP Snooping	Global/VLAN Option 82 Circuit ID
IP Source Guard	Support
Dynamic ARP Inspection	Support
Prevent DDOS attack	Support
Control Plane Policy (COPP)	Support
ACL	MAC ACL IPv4 ACL IPv6 ACL Time Range Basic Mode ACL Port-group ACL Telnet/SSH ACL filtering Telnet/SSH IPv6 ACL filtering
Diagnostics	
Syslog	Logging Message Remote Server
SFLOW	Support
IPSLA	Support
IPFIX	Support
Ping	Support
Traceroute	Support
UDLD	Support

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Software Features

Description	Specification
MLAG	IGMP Snnoping
ETH OAM	Hardware level CCM detection
Managemnet	
Manager Access	Console METH HTTP/HTTPS Telnet SSHv2 SNMP
Manager IP	Static Address DHCP Client Support IPv4 and IPv6 address DNS
Time Synchronization	NTP Manual Time Time Zone
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
RMON	Statistics History Event Alarm
User	Account Level

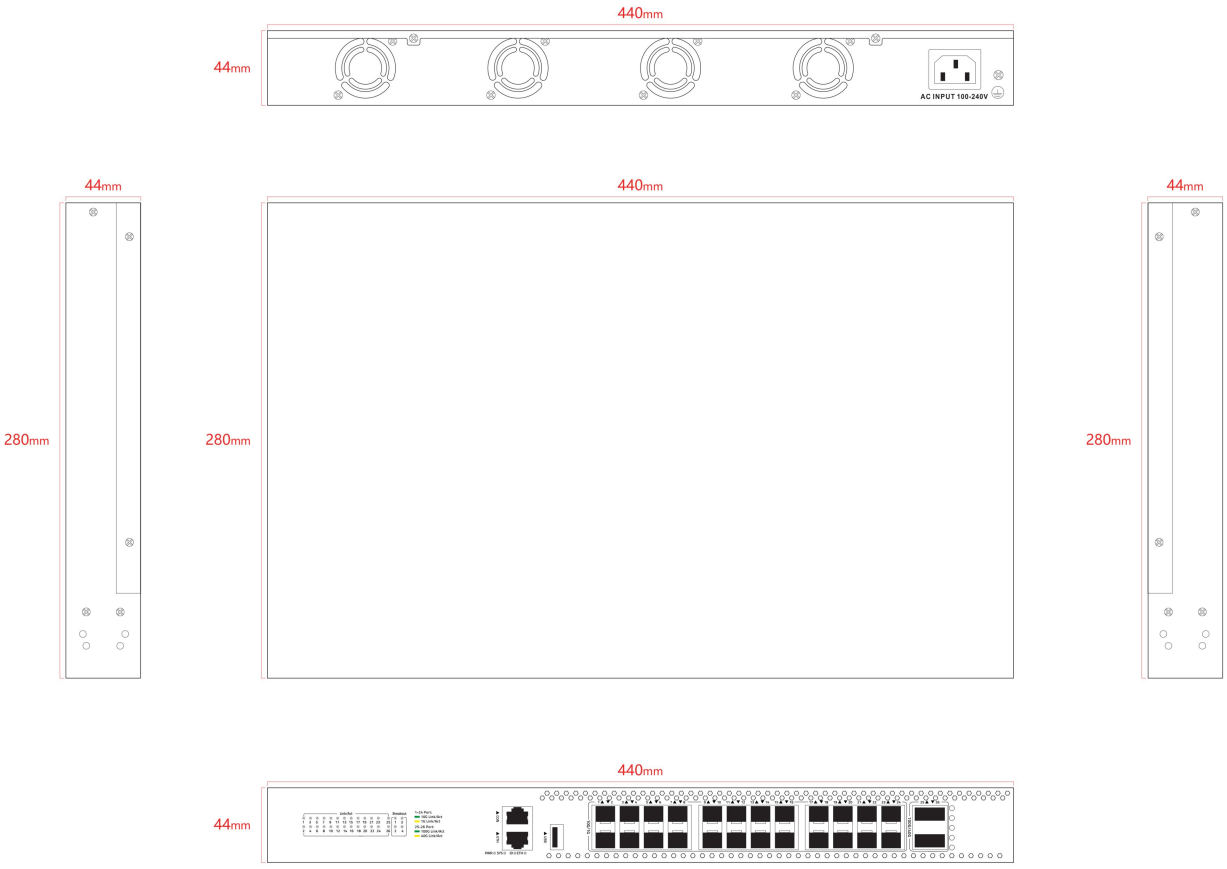
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Software Features

Description	Specification
Firmware	Double Image; Swap between Active and Alternate firmware image. Firmware Upgarde
Configuration	Upload and download Upload and download via USB interface
File System	File System TFTP FTP SCP xmodem
Banner	Support
Save	Support
Restart	Support
Factory Defaults	Support
Standards Compliance	V1/V2C/V3
IEEE 802.3x flow control and back pressure	
IEEE 802.3ad port trunk with LACP	
IEEE 802.1D Spanning Tree Protocol	
IEEE 802.1w Rapid Spanning Tree Protocol	
IEEE 802.1s Multiple Spanning Tree Protocol	
IEEE 802.1p Class of Service	
IEEE 802.1Q VLAN tagging	
IEEE 802.1x Port Authentication Network Control	
IEEE 802.1ab LLDP	
RFC 768 UDP	
RFC 793 TFTP	
RFC 791 IP	
RFC 792 ICMP	
RFC 959 FTP	
RFC 2068 HTTP	
RFC 1112 IGMP v1	
RFC 2236 IGMP v2	
RFC 3376 IGMP v3	
RFC 2328 OSPF v2	
RFC 2453 RIP v2	
RFC 4443 ICMPv6	

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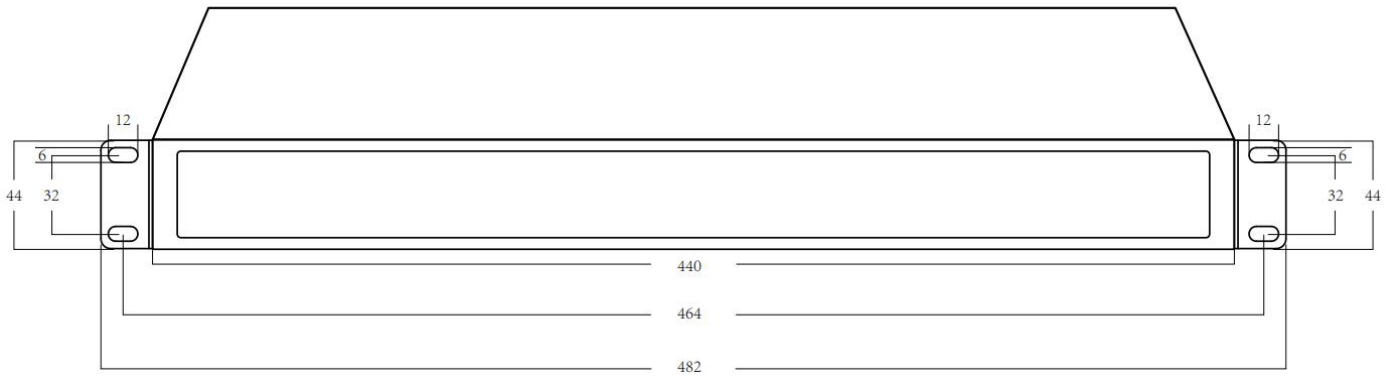
Product Structure Diagram



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Mounting ear diagram (Standard, support to install on the cabinet)
Unit of size: mm

Rack mounting ears



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