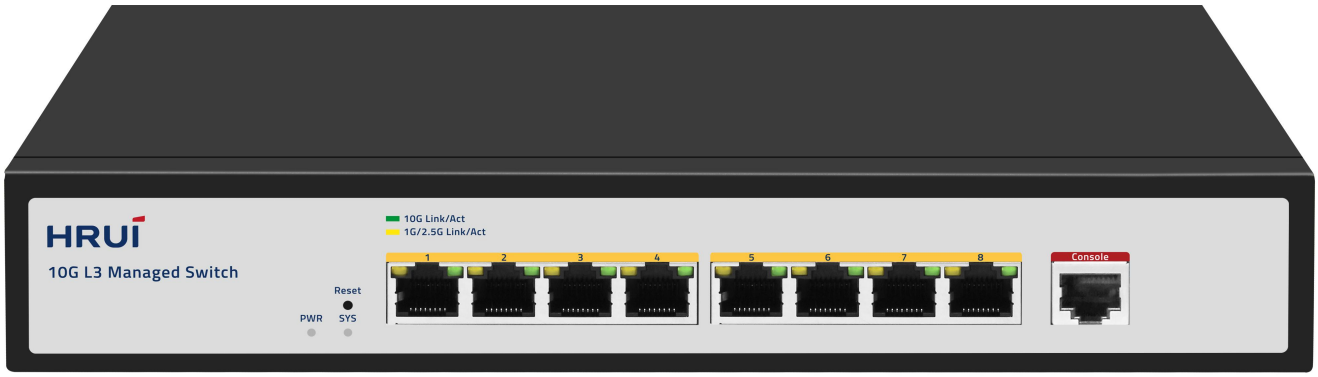
8-Port 10G L3 Managed Ethernet Switch



Product Highlights

- Comply with IEEE 802.1d, IEEE 802.1w, IEEE 802.1s, IEEE 802.1p, IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3ae standards
- Support L3 management, DHCP Server, QoS, ACL control, SNMP V1/V2/V3, IGMP Snooping v1/v2
- Support Spanning Tree Protocol STP/RSTP/MSTP (ERPS), loop detection and self-healing, and remote loopback monitoring and control
- Support multiple VLAN partitions, including MAC VLAN, protocol VLAN
- Support IP address+MAC address+VLAN+port binding, DHCP Snooping, IP source and DAI protection
- Support IPV4/IPV6, RIP v1/v2, OSPF v2

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Hardware Features

Description	Specification
Model	HR530S-8T
Interface	8*10Gbps RJ45 ports
Port Standard	IEEE 802.3: Ethernet Media Access Control (MAC) Protocol IEEE 802.3i: 10BASE-T Ethernet IEEE 802.3u: 100BASE-TX Fast Ethernet IEEE 802.3ab: 1000BASE-T Gigabit Ethernet IEEE 802.3x: Flow Control IEEE 802.3az (Energy Efficient Ethernet) IEEE802.1w Rapid Spanning Tree Protocol IEEE 802.3ae (10G Ethernet) IEEE802.3x (Flow Control) IEEE802.3 bz (2.5G/5G Ethernet standard)
Switching Bandwidth	160Gbps
Packet Forwarding Rate	119.04Mpps
Packet Buffer	12Mbit
MAC Address Table	16K
Jumbo Frame	Support
VLAN	VLAN range 1-4094, maximum active VLAN is 4K
Transmission Method	Store and Forward
Power Supply	AC 100-240V 50/60Hz DC 12V 4A
Mainboard Power Consumption	33.97W
Structure Information	Product Dimensions: 270*181*44mm Packaging Dimensions: 312*262*84mm Product Net Weight: 1.3KG Product Gross Weight: 1.75KG

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Hardware Features

Description	Specification
Package Information	Carton Dimensions: 540*435*332mm Packing Quantity: 10PCS Packing Weight: 18.5KG
Package Contents	Switch 1pcs, Power Cord 1pcs, Manual 1pcs, Certificate of Inspection 1pcs
Fan Quantity	2
Installation	Desktop
Surge Protection	Port Surge: Common mode 4KV, Differential mode 1KV Electrostatic ESD: Air 8KV, Contact 6KV
Operating Temperature	0~40°C
Storage Temperature	-40~70°C
Operation Humidity	10%~90%, non condensing
Storage Humidity	5%~95%, non condensing
PWR Green LED	On: Powered on Off: Powered off
SYS Green LED	On: The system is normal Flashing: System startup in progress
Ports 1-8	Green LED on: 10Gbps Link normal Yellow LED on: 1G/2.5Gbps Link normal Off: Link blocked Flashing: Data transmitting
Reset	Long press for 6 seconds to restore factory settings

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Software Features

L3 Function	
IPv4	IPv4 VLAN Interface
	IPv4 Static Routes
	ARP
IPv6	IPv6 VLAN Interface
	IPv6 Static Routes
	IPv6 ND
RIP	V1/V2
OSPF	Router-ID
	Authentication
	V2
L2 Function	
Port	Port Switch configuration
	Port Description configuration
	Port Speed configuration
	Port Duplex configuration
	Port Flow Control configuration
	Support 10G/2.5G
	Jumbo Frame, Up to 10K
	EEE
	Fiber Module(DDM)
Link Aggregation	Support load balance policy; Base on MAC and IP-MAC
	Static and Dynamic Group
	Support LACP
	Up to 8 groups
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

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Software Features

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
Services	
DHCP	DHCP Server IP Pool Static Binding Option 43 DHCP Relay
Access Protocol	HTTP HTTPS Telnet SSHv2 Manager ACL Session Timeout Password Retry Count Silent Time

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Software Features

Security	
AAA	RADIUS TACACS+ 802.1X Base on port/MAC/local/WEB
DHCP Snooping	Global/VLAN Option 82 Circuit ID
IP Source Guard	Support
Dynamic ARP Inspection	Support
DoS	Support
ACL	MAC ACL IPv4 ACL IPv6 ACL
Diagnostics	
Syslog	Logging Message Remote Server
Ping	Support
Traceroute	Support
Copper Test	Support
UDLD	Support
Equipment Management	
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

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Software Features

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 Configuration Event Configuration Alarm Configuration
User Management	Support
Firmware Management	Firmware upgrade Double Image; Swap between Active and Alternate firmware image
Configuration Management	Upload and download Upload and download via USB interface
Save	Support
Restart	Support
Factory Defaults	Support

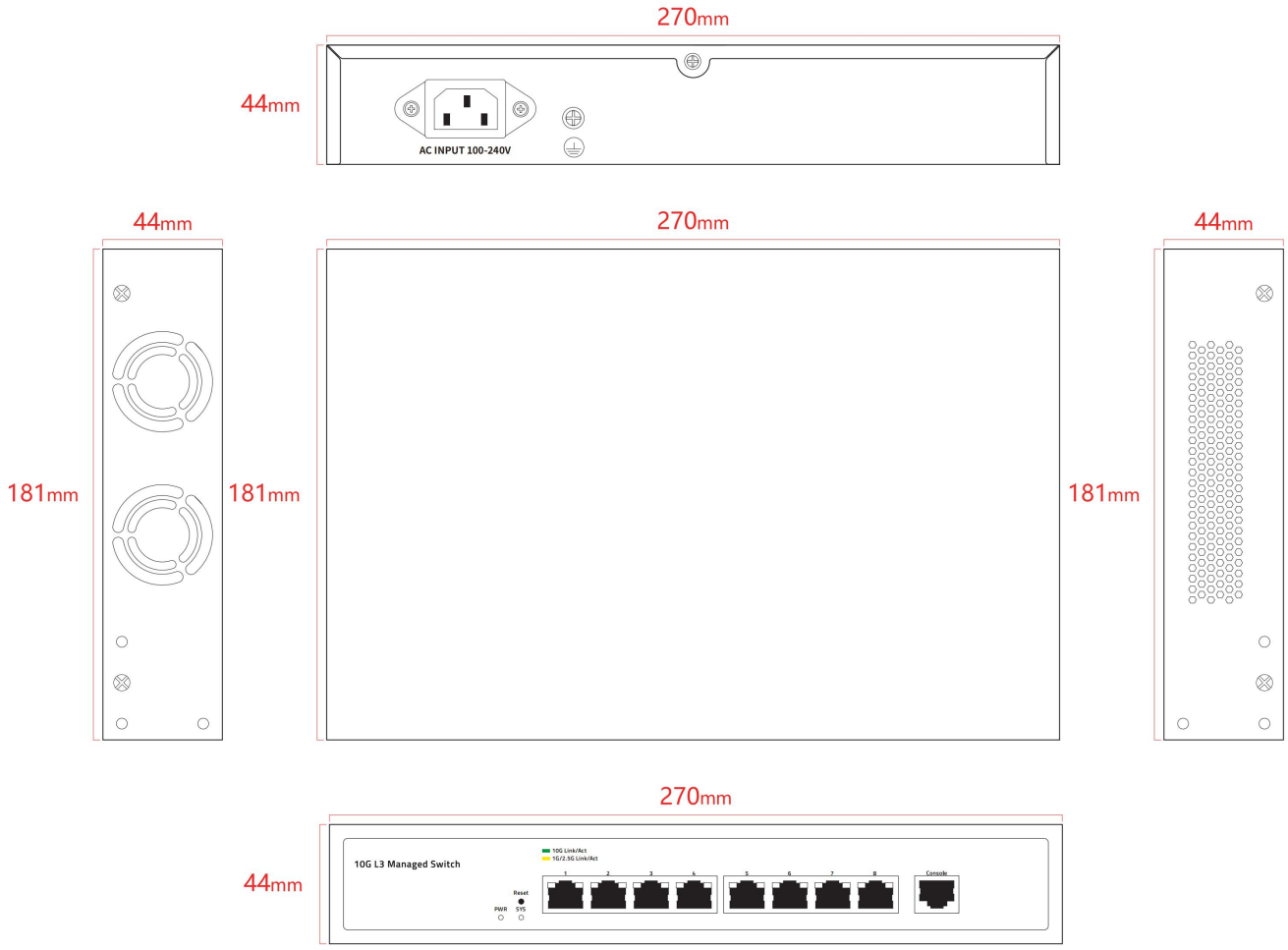
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Software Features

Standard Compliance
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 2068 HTTP
RFC 1112 IGMP v1
RFC 2236 IGMP v2
RFC 3376 IGMP v3
RFC 2710 MLD v1
FRC 3810 MLD v2
RFC 2328 OSPF v2

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Product Structure Diagram



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