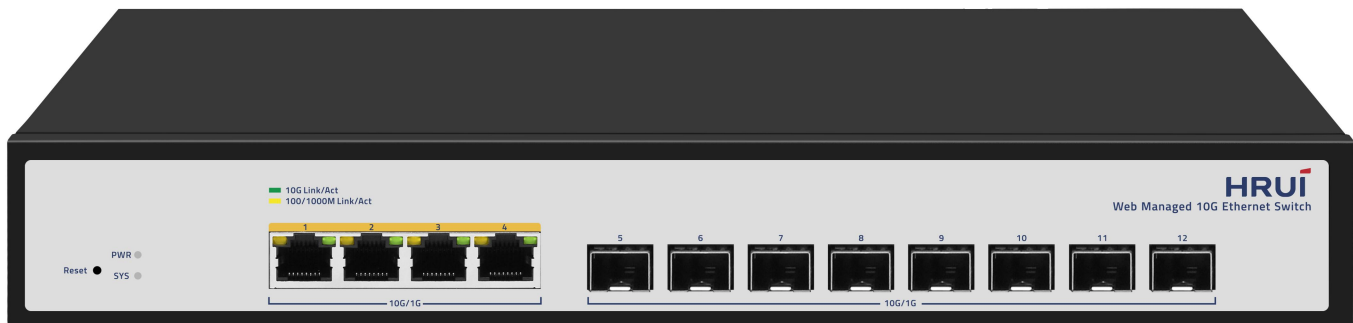


# 12-Port 10G Web Management Ethernet Switch



## Product Highlights

- 4\* 10G RJ45 ports+8\* 10G SFP+ ports
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3ae, and IEEE 802.3x standards
- RJ45 port supports 100M/1G/2.5G/5G/10G adaptive
- Supports automatic port flipping (Auto MDI/MDIX)
- The panel indicator lights will monitor the working status and assist in fault analysis
- Flow control method, IEEE802.3x standard for full duplex and Backpressure standard for half duplex
- Support QoS data priority
- Support Web Management

## Hardware Features

Description	Specification
Model	HR-SWTGW2C48NS
Interface	4* 10G RJ45 ports
	8* 10G SFP+ ports
Port Standard	IEEE802.3 (Ethernet)
	IEEE802.3u (Fast Ethernet)
	IEEE802.3ab (Gigabit Ethernet)
	IEEE 802.3bz (5G Ethernet)
	IEEE 802.3z (Gigabit Ethernet)
	IEEE 802.3ae (10 Gigabit Ethernet)
	IEEE802.3x (Flow Control)
Switching Capacity	240Gbps
Packet Forwarding Rate	178.56Mpps
Packet Buffer	16Mbit
MAC Address Table	32K
VLAN	VLAN range 1-4094, maximum active VLAN is 4K
Jumbo Frame	support
Transmission Method	Store and Forward
Surge Protection	Port surge: common mode 4KV
Operating Temperature	0~40 ° C
Storage Temperature	-40 ° C to 70 ° C
Operation Humidity	10%~90%, non condensing
Storage Humidity	5%~95%, non condensing
Power Supply	AC 100-240V 50/60Hz
	DC 12V 4A
Mainboard Power Consumption	45.83W
Structure Information	Product Dimensions :320*207*45mm
	Packaging Dimensions :370*290*85mm
	Product Net Weight: 1.55KG
	Product Gross Weight:2.11KG
Packing Information	Carton Dimensions : 445*310*390mm
	Packing Quantity: 5PCS
	Packing Weight:11.55KG
Package Contents	switch 1pcs, power cord 1pcs, instruction manual 1pcs, certificate of qualification 1pcs, mounting ears 1 pair
Fan Quantity	1
Installation	desktop、Rack installation

## Hardware Features

Description	Specification
PWR	On: Powered on Off: Powered off
SYS	On: The system is normal Flashing: System startup in progress
1-4	Green Led On: 10Gbps Link normal Yellow Led On: 100/1000M/2.5Gbps Link normal Off: Link blocked Flashing: Data transmitting
5-12	Green Led On: 10Gbps Link normal Yellow Led On: 100/1000M/2.5Gbps Link normal Off: Link blocked Flashing: Data transmitting
RESET	Long press for 6 seconds to restore factory settings

## Software Features

Description	Specification
L2 Function	
Port	Port Switch configuration Port Speed configuration Port Duplex configuration Port Flow Control configuration EEE Jumbo Frame
Link Aggregation	Supports load balance policy; Base on MAC and IP-MAC Static and Dynamic Group 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 Protect/Restrict/Shutdown

## Software Features

Description	Specification
Port Security	MAC Address Constraints Protect/Restrict/Shutdown
Port Isolation	support
Port Rate-limit	support
VLAN	Access/Trunk/Hybrid VLAN Tunnel (Q-in-Q Tunnel) VLAN range 1-4094, maximum active VLAN is 4K
MAC Address	Filtering MAC Address Static MAC address
Spanning Tree Protocol	STP/RSTP BPDU Filter BPDU Guard Edge Port
Multicast	IGMP Snooping Router Port Static IGMP Join IGMP V1/V2
QoS	Traffic classification, supporting SP and WRR scheduling Port Priority
ERPS	Main Ring
Services	
Access Protocol	HTTP Session Timeout
Security	DHCP Snooping
Diagnostics	
Copper Test	support
Ping	support
Equipment Management	
Manager Access	HTTP SNMP
Manager IP	Static Address Manager VLAN DNS DHCP Client
SNMP	V1/V2C Community Trap Host

## Software Features

Description	Specification
	RFC 1213 MIB-II
SNMP MIB	RFC 1643 Ethernet MIB RFC 2863 Interface MIB
User Management	support
Firmware Management	Firmware upgrade
Configuration Management	Upload/Backup Configuration
Save	support
Restart	support
Factory Defaults	support
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 802.1p Class of Service
	IEEE 802.1Q VLAN tagging
	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

# Product Structure Diagram

