

12-Port 10G Web Managed Switch



Product Highlights

- 4*10Gbps RJ45 ports and 8*10Gbps SFP+ ports
- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3ae, and IEEE 802.3x standards
- Ethernet Ports support 100M/1G/2.5G/10Gbps self-adaptive
- Support automatic port flipping (Auto MDI/MDIX)
- The panel indicator LEDs 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*10Gbps RJ45 ports 8*10Gbps 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 (10G Ethernet) IEEE802.3x (Flow Control)
Switching Bandwidth	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	10K
Transmission Method	Store and Forward
Surge Protection	Port Surge: Common mode 4KV, Differential mode 2KV(Class A) Electrostatic ESD: Air 8KV, Contact 6KV(Class A)
Operating Temperature	0~40℃
Storage Temperature	-40~70℃
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: 1.59KG Product Gross Weight: 2.16KG

Hardware Features

Description	Specification
Packing Information	Carton Dimensions: 445*310*390mm Packing Quantity: 5PCS Packing Weight: 11.54KG
Package Contents	Switch 1pcs, Power Cord 1pcs, Manual 1pcs, Certificate of Inspection 1pcs
Fan Quantity	1
Installation	Desktop
PWR Green LED	On: Powered on Off: Powered off
SYS Green LED	On: The system is normal Flashing: System startup in progress
Ports 1-4	Green LED on: 10Gbps Link normal Yellow LED on: 100M/1G/2.5Gbps Link normal Off: Link blocked Flashing: Data transmitting
Ports 5-12	Blue LED on: 10Gbps Link normal Green LED on: 1G/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 Description configuration
	Port Speed configuration
	Port Duplex configuration
	Port Flow Control configuration
	Jumbo Frame
	EEE
Link Aggregation	Support 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
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
LLDP	LLDP
	LLDP MED

Software Features

Description	Specification
Spanning Tree Protocol	STP/RSTP
	BPDU Filter
	BPDU Guard
	Edge Port
Multicast	IGMP Snooping
	Router Port
	Static IGMP Join
	IGMP V1/V2/V3
QoS	Traffic classification, Supporting SP and WRR scheduling
	Port Priority
	802.1P Priority
	IP DSCP Priority
	Priority Remarking
ERPS	Support up to 8 queues per port
	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

Software Features

Description	Specification
SNMP	V1/V2C
	Community
	Trap Host
SNMP MIB	RFC 1213 MIB-II
	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

