

12-Port 10G SFP+ Web Managed Switch



Product Highlights

- Supports 12* 10 Gigabit SFP+ ports
- Supports IEEE802.3 IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
- Ethernet ports support 2.5G/10G adaptive by default
- Supports automatic port flipping (Auto MDI/MDIX)
- Adopting a storage and forwarding exchange mechanism
- All ports support line speed switching
- The panel indicator lights will monitor the working status and assist in fault analysis
- Support QoS data priority
- Support web management

Hardware Features

Description	Specification
Model	HR-SWTGW2C12F
Interface	12*10G SFP+ 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 802.3z: 1000BASE-X Gigabit Ethernet (Fiber optic) IEEE 802.3x: Flow Control IEEE 802.3az (Efficient and Energy saving Ethernet) IEEE 802.3ae (10 Gigabit Ethernet) IEEE802.3x (Flow Control) IEEE802.3 bz (2.5G/5G Ethernet standard)
Switching Capacity	240Gbps
Packet Forwarding Rate	178.56Mpps
Packet Buffer	12Mbit
MAC Address Table	32K
VLAN	VLAN range 1-4094, maximum active VLAN is 4K
Jumbo Frame	support
Transmission Method	Store and Forward
Surge Protection	Electrostatic ESD:contact 6KV, air 8KV
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 8A
Mainboard Power Consumption	29.6W
Structure Information	Product Dimensions :440*205*44mm Packaging Dimensions : 500*290*85mm Product Net Weight: 2.50KG Product Gross Weight: 3.12KG
Packing Information	Carton Dimensions : 520*445*310mm Packing Quantity: 5PCS Packing Weight: 16.6KG
Package Contents	switch 1pcs, power cord 1pcs,manual 1pcs, certificate of qualification 1pcs, rack mounted kit 1pair
Fan Quantity	1
Installation	Desktop, rack mounted

Hardware Features

Description	Specification
PWR	On: Powered on Off: Powered off
SYS	On: The system is normal Flashing: System startup in progress
10G	On: 10G Link norma
LinK/ACT	On: 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
Port Isolation	support
Port Rate-limit	support

Software Features

Description	Specification
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
LLDP	LLDP LLDP MED
Multicast	IGMP Snooping
	Router Port Static IGMP Join
	IGMP V1/V2
QoS	Traffic classification, supporting SP and WRR scheduling Port Priority 802.1P Priority IP DSCP Priority Priority Remarking Supports up to 8 queues per port
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

