

## **14 Ports Gigabit Managed Industrial PoE Switch**

**(Adopt VTS Industrial Grade Switch Chip)**

### **【Product Description】**

14 Port Gigabit Industrial Ethernet PoE Switch, 10 Gigabit PoE Ports(9-10 Port Support BT) + 4 Gigabit SFP Port + 1 Console Port, ,Integrated bypass protection function, Support Din rail and wall mounting. Supports dual power input (DC48-55V); -40 to 85°C working temperature; Certified by industrial environment and support FCC, CE, CCC, RoHS standards; Reliable industrial design ensures uninterrupted automation system Stable operation.

This series of industrial grade switches can be widely used in wind power, electric power, assembly automation, subway PIS, electric power SCADA, sewage treatment, metallurgy, intelligent transportation, rail transportation, military and other industries. It is a green low-power industrial Ethernet switch.

This series of switches provides advanced network management capabilities: redundant ring, loop protection, VLAN, QOS, speed control, port mirroring, and firmware online upgrades. With standardized industrial design, it can meet the stringent requirements of industrial sites. All components use industrial grade for greater reliability, providing redundant, wide-voltage power inputs and outputs for uninterrupted industrial safety communications.

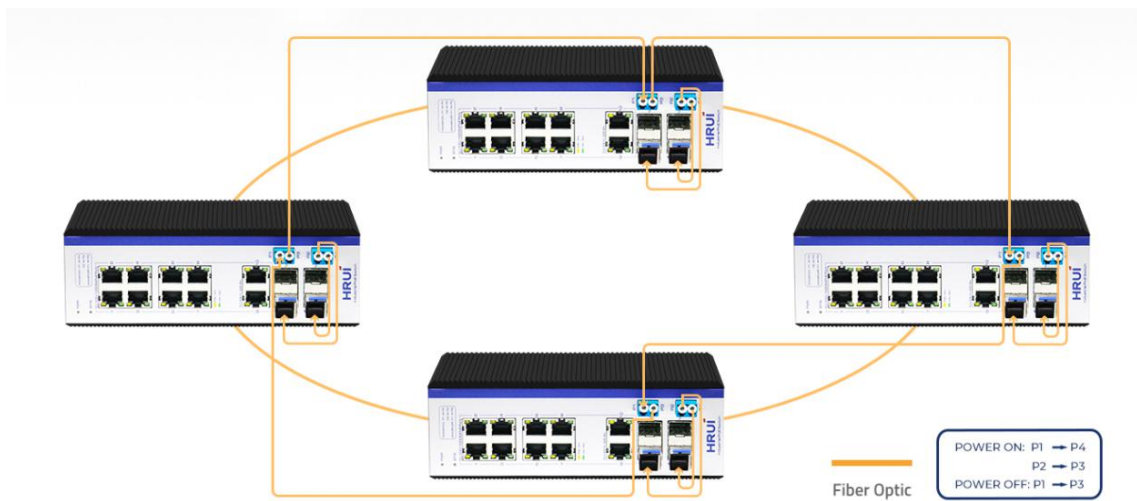
### **【Features】**

1. 10 Gigabit PoE Ports(9-10 Port Support BT) + 4 Gigabit SFP Port + 1 Console Port
2. Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z / ab, IEEE802.1Q, IEEE802.1p, IEEE802.1d/w
3. Support PoE Power Management, PoE Watchdog based on data stream detection
4. Support bypass protection function
5. Support STP (802.1D) , RSTP (802.1w), MSTP (802.1s), ERPS.
6. Support SNMP v1/v2/v3.
7. Support IGMP Snooping , Static multicast filtering and MLD Snooping.
8. Support 802.1x port and AAA Certification, Enhance network security.
9. Support WEB, Telnet, CLI,SSH management.
10. Support IEEE802.3af (15.4w) , IEEE802.3at (30W) , IEEE802.3bt (90W)
11. IP40 protection, rugged high-strength metal case, DIN35 Rail mounting
12. EMC grade 4 design, -40 to 85°C working temperature.
13. Support Redundant power supply access, support anti-reverse connection.
14. Support Port lightning protection, Surge: General Mode 6KV, Differential Mode2KV, ESD: Air 15kV, contact 8KV
15. Support EMC EN55032 standard.

### 【Application Environment】

- ◆ Metropolitan area fiber broadband network: telecommunications, cable TV, network system integration, etc., network operators.
- ◆ Broadband private network: Suitable for financial, government, oil, railway, electric power, public security, transportation, education and other industries.
- ◆ Multimedia transmission: image, voice, data integrated transmission, suitable for remote teaching, conference TV, videophone and other applications.
- ◆ Real-time monitoring: simultaneous transmission of real-time control signals, images, data
- ◆ Resistant to harsh environment: Suitable for strong electromagnetic interference, networking in harsh environments at long distances.

### 【Connection diagram】



### 【Technical parameters】

Product Name	14 Ports Gigabit Industrial Managed PoE Switch
Product Model	HR600-AXGM-SWG20104S-BP
Port Definition	10 Gigabit PoE Ports(9-10 Port Support BT) + 4 Gigabit SFP Port + 1 Console Port
Network Protocols	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.1d IEEE802.1w
POE Parameters	POE Standard: IEEE 802.3af / IEEE 802.3at/IEEE802.3bt Single PoE Port Power Output: Max: 15.4 W (IEEE 802.3af) Max: 30 W (IEEE 802.3at) Max: 90 W (IEEE 802.3bt)

	PoE Compatibility: IEEE 802.3af / at / bt adaptive	
	POE Power Output: DC 48-55V	
	POE Power Pin: 1/2- ; 3/6+ (bt: 1/2- 3/6+ ; 4/5+ 7/8-)	
Network Media	10BASE-T: Cat3、4、5 UTP(≤100 M) 100BASE-TX: Cat5 or above UTP(≤100 M) 1000BASE-TX: Cat5 or above UTP(≤100 M)	
Bypass	P1: Optical Fiber in or out Port (P3 and P4 are corresponding outlets, recommended to connect A ) P3: Optical Fiber in or out Port (P1 and P2 as corresponding outlets, recommended to connect B )	
	P2: SFP Module Fiber Port (P3 as corresponding outlets, recommended to connect A ) P4: SFP Module Fiber Port (P1 as corresponding outlets, recommended to connect B )	
Fiber Media	Multi-mode: 850nm,1310nm Transmission Distance: 550m/2Km Single-mode: 1310nm,1550nm Transmission Distance: 20/40/60/80/100/120Km	
LED Indicator	PWR	Lighting: Powered Un-Light: No Power
	SYS	Lighting: System is operating normally Un-Light: System is not running
	Yellow light	Lighting: PoE Powered Un-Light: No PoE Powered
	Green light	Lighting: Link normally Un-Light: Link disconnect
	G11-G14	Lighting: Fiber Connection is Normal Un-Light: Disconnect
Power Supply	Input Voltage: DC48 ~ 55V Type of input: 4 PIN terminal (block V1+V1- V2+ V2-)	
Physical structure	Protect grade: IP40 Installation: DIN Rail Product weight: 1 KG Package weight: 1.3KG (Without power) Product Dimensions(L×W×H): 188mm*130mm*64mm Package Dimensions(L×W×H): 242mm×207mm×86mm Standard packing(L×W×H): 445mm×445mm×510mm Standard packing quantity: 20 (PCS)	
Working Environment	Operating temperature: -40 ~ 85℃ Storage temperature: -40 ~ 85℃ Humidity: 5%~95 % ( No condensation)	
Industry Standard	EMI: FCC Part 15, CISPR (EN55032) class A EMS: EN61000-4-2 (ESD) EN61000-4-4 (EFT) EN61000-4-5 (Surge)	
Certification	CE , FCC , ROHS	
MTBF	100,000 Hours	
Packing list	1. Industrial grade switch: 1 Set	

	2. Instruction manual: 1 PCS 3. Certificate, warranty card: 1 PCS 4. Serial cable: 1PCS 5. Operation manual CD: 1 PCS
Warranty	5 years
<b>Hardware Parameters</b>	
Bandwidth	28Gbps
Packet Forwarding Rate	20.83Mpps
RAM	128MB
Flash	16MB
Packet Buffer Memory	4M
Jumbo frame	9.6Kbytes
VLANs	4096
MAC	8K
Forwarding Mode	Store-And-Forward

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
Information & Status	System Information			
	IP Status			
	Syslog			
	Detailed Syslog			
	MAC Table			
	VLANs		Membership	
			Ports	
	Ports		Traffic Overview	
			Detailed Statistics	
	LACP		System Status	
			Port Status	
			Port Statistics	
	Green Ethernet			
	LLDP		Neighbors	
			Port Statistics	
	Loop Protection			
Spanning Tree		Bridge Status		
		Port Status		
		Port Statistics		

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	IGMP Snooping	Status		
		Groups Information		
		IPv4 SFM Information		
	MLD Snooping	Status		
		Groups Information		
		IPv6 SFM Information		
	DHCP	Server	Statistics	
			Binding	
			Declined IP	
		Snooping Table		
		Relay Statistics		
		Detailed Statistics		
	Security	Port Security	Switch	
			Port	
		Access Management Statistics		
		802.1X	Switch	
			Port	
		ACL Status		
	AAA	RADIUS Overview		
		RADIUS Details		
	QoS	QoS Statistics		
QCL Status				
Network Admin	IP Config			
	IP Status			
	DHCP Server	Mode		
		Excluded IP		
		Pool		
	NTP			
	Timezone			
	SNMP	System		
		Trap		
		Communities		
Users				

Menu Items	Submenus	Secondary Submenus	Triple Submenus
		Groups	
		Views	
		Access	
	Syslog		
Port Configure	Ports		
	Aggregation	Static	
		LACP	
	Mirroring		
	Green Ethernet		
	DDM	DDM Configuration	
		DDM Overview	
DDM Detailed			
PoE	PoE Setting		
	PoE Status		
Advanced Configure	MAC Table		
	VLANs		
	GVRP	Global config	
		Port config	
	Port Isolation	Port Group	
		Port Isolation	
	Loop Protection		
	Spanning Tree	Bridge Setting	
		MSTI Mapping	
		MSTI Priorities	
		CIST Ports	
		MSTI Ports	
	IPMC Profile	Profile Table	
		Address Entry	
	MEP		
	ERPS		
	IGMP Snooping	Basic Configuration	
VLAN Configuration			
Port Filtering Profile			

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	IPV6 MLD Snooping	Basic Configuration		
		VLAN Configuration		
		Port Filtering Profile		
	LLDP			
Security Configure	Users			
	Privilege Levels			
	SSH			
	Port Security Limit			
	Access Management			
	802.1X			
	ACL	Ports		
		Rate Limiters		
		Access Control List		
	DHCP	Snooping Setting		
		Snooping Table		
		Relay		
		Relay Statistics		
		Detailed Statistics		
	IP&MAC Source Guard	Configuration		
		Static Table		
		Dynamic Table		
	ARP Inspection	Port Configuration		
		VLAN Configuration		
		Static Table		
		Dynamic Table		
AAA	RADIUS			
	TACACS+			
QoS Configure	Port Classification			
	Port Policing			
	Queue Policing			
	Port Scheduler			
	Port Shaping			
	Port Tag Remarking			

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	Port DSCP			
	DSCP-Based QoS			
	DSCP Translation			
	DSCP Classification			
	QoS Control List			
	Storm Policing			
Diagnostics	Ping			
	Cable Diagnostics			
	CPU Load			
Maintenance	Restart Device			
	Factory Defaults			
	Firmware Upgrade			
	Firmware Select			
	Configuration	Download		
		Upload		
		Activate		
		Delete		

**【Ordering Information】**

Equipment model	Description
HR600-AXGM-SWG20104S-BP	10 Gigabit PoE Ports(9-10 Port Support BT) + 4 Gigabit SFP Port + 1 Console Port

**【Product Picture】**



