14 Ports Gigabit Managed Industrial PoE Switch

(Adopt VTS Industrial Grade Switch Chip)

【Product Description】

14 Port Gigabit Industrial Ethernet PoE Switch, 8 Gigabit PoE Ports +2 Gigabit Uplink Port + 4 Gigabit SFP Port + 1 Console Port, Integrated bypass protection function, supporting Din rail and wall mounting. Supports dual power input (DC48-55V); -40 to 75℃ 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.

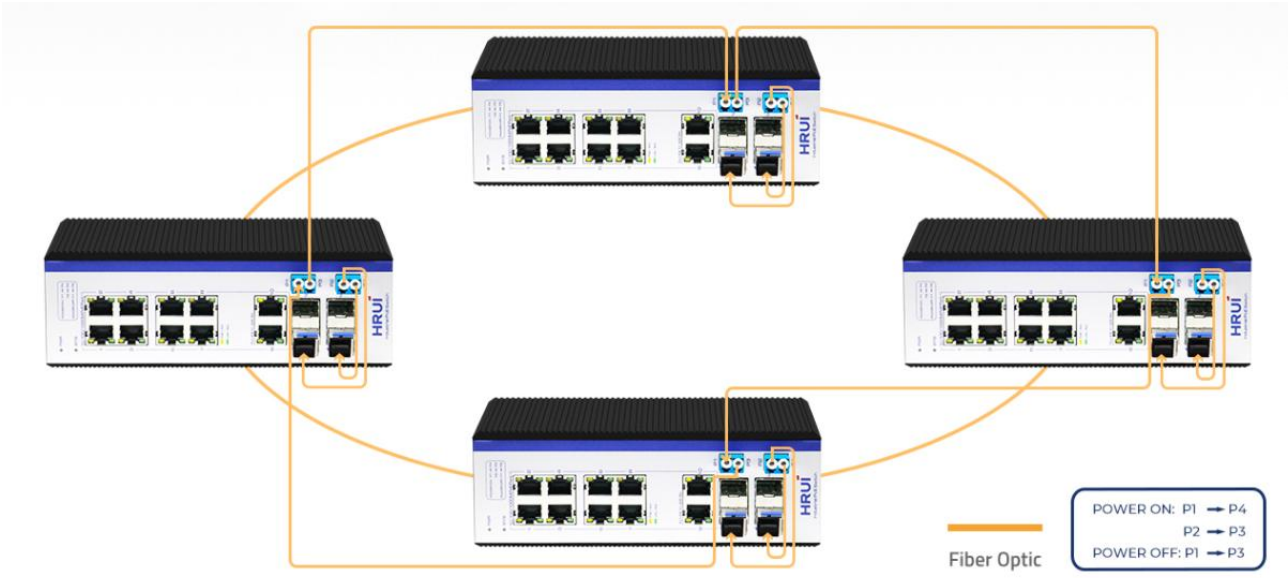
【Features】

1. 8 Gigabit PoE Ports +2 Gigabit Uplink Port + 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)，802.1s (MSTP)，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）
11. IP40 protection, rugged high-strength metal case，DIN35 Rail mounting
12. EMC grade 4 design，-40 to 75℃ working temperature
13. Support Redundant power supply access, support anti-reverse connection
14. Surge Protection: General 6KV, Differential 4KV; ESD 15KV(Air), 8KV (Contact)
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-AFGM-SWG20824S-BP
Port Definition	8 Gigabit PoE Ports +2 Gigabit Uplink Port + 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	
	Single PoE Port Power Output: Max: 15.4 W (IEEE 802.3af) Max: 30 W (IEEE 802.3at)	
	POE port Auto detect IEEE 802.3af / at devices	
	POE Power Output: DC48-55V	
	POE Power Pin: 1/2- ; 3/6+	
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） Produc Dimensions(L×W×H): 188mm*130mm*64mm Package Dimensions(L×W×H): 242mm×207mm×86mm Standard packing(L×W×H): 445mm×445 mm×510mm Standard packing quantity：20 (PCS)	
Working Environment	Operating temperature: -40～75℃ 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
Warranty	5 years
Hardware Parameters	
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	

Menu Items	Submenus	Secondary Submenus	Triple Submenus
		Port Statistics	
	Loop Protection		
	Spanning Tree	Bridge Status	
		Port Status	
		Port Statistics	
	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		
	DHCPServer	Mode	
		Excluded IP	
		Pool	
	NTP		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	Timezone		
	SNMP	System	
		Trap	
		Communities	
		Users	
		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	

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	MEP		
	ERPS		
	IGMP Snooping	Basic Configuration	
		VLAN Configuration	
		Port Filtering Profile	
	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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	Port Policing		
	Queue Policing		
	Port Scheduler		
	Port Shaping		
	Port Tag Remarking		
	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-AFGM-SWG20824S-BP	8 Gigabit PoE Ports +2 Gigabit Uplink Port + 4 Gigabit SFP Port + 1 Console Port

【Product Picture】


PWR
SYS
10/100/1000M PoE Port
PoE/Act
Link/Act
P1
P3
P2
P4
HRUI
Industrial Managed PoE Switch