

## 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 + 6 Gigabit SFP Port (13-14 Port support 2.5G, Compatible with 1.25G/155M) + 1 Console Port, Integrated bypass protection function, supporting Din rail and wall mounting. Supports dual power input (DC48-55V); -40 to 75°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. Support 8 Gigabit PoE Ports + 6 Gigabit SFP Port (13-14 Port support BT, Compatible with 1.25G/155M) + 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. IP40 protection, rugged high-strength metal case, DIN35 Rail mounting
11. EMC grade 4 design, -40 to 75°C working temperature
12. Support Redundant power supply access, support anti-reverse connection
13. Surge Protection: General 6KV, Differential 4KV; ESD 15KV(Air), 8KV (Contact)
14. 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.

## 【Technical parameters】

Product Name	14 Ports Gigabit Industrial Managed PoE Switch
Product Model	HR600-AFGM-SWG2086AS-BP
Port Definition	8 Gigabit PoE Ports + 6 Gigabit SFP Port (13-14 Port support BT, Compatible with 1.25G/155M) + 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: Cat3,4,5UTP(≤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

	G9-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 ~ 75°C Storage temperature: -40 ~ 85°C 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	
<b>Hardware Parameters</b>		
Bandwidth	34Gbps	
Packet Forwarding Rate	25.29Mpps	
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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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	
	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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
		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	
		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	

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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	
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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
		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			
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-SWG2086AS-BP	8 Gigabit PoE Ports + 6 Gigabit SFP Port (13-14 Port support BT, Compatible with 1.25G/155M) + 1 Console Port

**【Product Picture】**

