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## 10 Ports Gigabit Managed Industrial PoE Switch

(Adopt VTS Industrial Grade Switch Chip)

### 【Product Description】

10 Port Gigabit Industrial Ethernet PoE Switch, 8 Gigabit PoE Ports + 2 Gigabit SFP Port + 1 Console port, supporting Din rail and wall mounting. Supports dual power input (DC12-55V); -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】

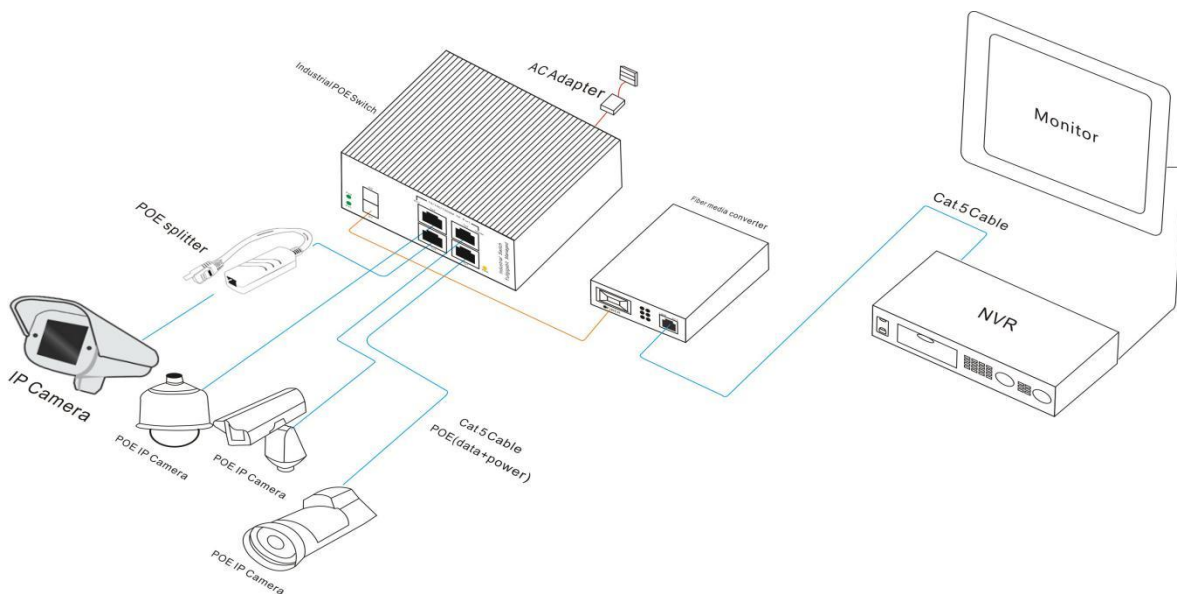
- 8 Gigabit PoE Ports + 2 Gigabit SFP Port + 1 Console port
- Support: IEEE802.3、IEEE802.3u, IEEE802.3x, IEEE802.3z / ab, IEEE802.1Q, IEEE802.1p, IEEE802.1d/w
- PoE Power Management, PoE Watchdog based on data stream detection.
- Support IEEE802.3af (15.4w) 和 IEEE802.3at (30W) .
- Support STP (802.1D) , RSTP (802.1w), MSTP (802.1s), ERPS.
- Support SNMP v1/v2/v3.
- Support IGMP Snooping , Static multicast filtering and MLD Snooping.
- Support 802.1x port and AAA Certification, Enhance network security.
- Support WEB, Telnet, CLI,SSH management.
- IP40 protection, rugged high-strength metal case, DIN35 Rail mounting

- EMC grade 4 design, -40 to 85°C working temperature.
- Support Redundant power supply access, support anti-reverse connection.
- Support lightning protection, Surge: General Mode 6KV, Differential Mode 2KV, ESD: 15KV,
- 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	10 Ports Gigabit Managed Industrial PoE Switch
Product Model	HR600-AFGM-82S
Port Definition	8 Gigabit PoE Ports + 2 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 Compatibility: IEEE 802.3af / at adaptive
	POE Power Output: DC 48-55V
	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)
Fiber Media	Multi-mode: 850nm, 1310nm Transmission Distance: 550m/2Km Single-mod: 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 Flashing: Port and device mismatch
	Green light Slow Flashing: 10/100/1000 Link normally Un-Light: Link disconnect Flashing: Link data transmission

	G9-G10	Lighting: Fiber Connection is Normal Un-Light: Disconnect Flashing: Link data transmission
Power Supply	Input Voltage: DC12 ~ 55V Type of input: 4 PIN Industrial Terminal (block V1+V1- V2+ V2-)	
Physical structure	Protect grade: IP40 Installation: DIN Rail Product weight: 0.8 KG Package weight: 1.1 KG (Without power) Product Dimensions (L×W×H): 165mm×130mm×65mm Package Dimensions (L×W×H): 245mm×210mm×88mm Standard packing (L×W×H): 600mm×495mm×435mm Standard packing quantity : 28(PCS)	
Working Environment	Operating temperature: -40 ~ 85°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	<ol style="list-style-type: none"> <li>1. Industrial grade switch: 1 Set</li> <li>2. Instruction manual: 1 PCS</li> <li>3. Certificate, warranty card: 1 PCS</li> <li>4. Serial cable: 1PCS</li> <li>5. Operation manual CD: 1 PCS</li> </ol>	
Warranty	5 years	
<b>Hardware Parameters</b>		
Bandwidth	20Gbps	
Packet Forwarding Rate	14.88Mpps	
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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
			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	Ports			
Configure	Aggregation	Static		

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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	



Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	DHCP	Snooping Setting		
		Snooping Table		
		Relay		
		Relay Statistics		
		Detailed Statistics		
	IP&MAC Guard	Source	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-AFGM-82S	Layer 2 Management, 8 Gigabit PoE Ports + 2 Gigabit SFP Port + 1 Console port

**【Product Picture】**



