

## 6 Ports Gigabit Managed Industrial PoE Switch

(Adopt VTS Industrial Grade Switch Chip)

### 【Product Description】

6-port Gigabit Industrial Ethernet PoE Switch, 4 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.

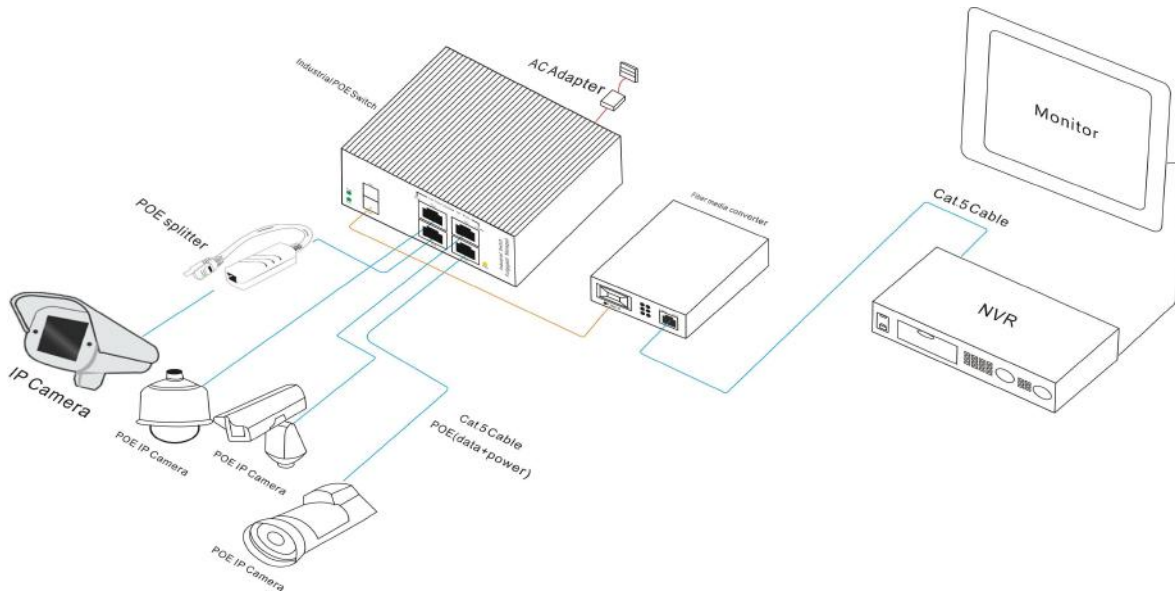
### 【Features】

- 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 Port 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	6 Ports Gigabit Managed Industrial PoE Switch
Product Model	HR600-AFGM-42S
Port Definition	4 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-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	Slow Flashing: 10/100/1000 Link normally Un-Light: Link disconnect Flashing: Link data transmission
	G5-G6	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: 0.6KG Package weight :0.8 KG (Without power) Product Dimensions (L×W×H): 145mm×125mm×40 mm Package Dimensions (L×W×H): 250mm×210mm×65mm Standard packing(L×W×H): 608mm× 500 mm× 435mm Standard packing quantity: 36 (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	Industrial grade switch: 1 Set Instruction manual: 1 PCS Certificate, warranty card: 1 PCS Serial cable: 1PCS Operation manual CD: 1 PCS	
Warranty	5 years	
<b>Hardware Parameters</b>		
Bandwidth	12Gbps	
Packet Forwarding Rate	8.928Mpps	
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		
	IGMP Snooping	Status		
		Groups Information		
		IPv4 SFM Information		
	MLD Snooping	Status		
		Groups Information		
		IPv6 SFM Information		
	DHCP	Server	Statistics	
			Binding	
			Declined IP	
Snooping Table				

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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		
		Groups		
		Views		
Access				
Syslog				
Port Configure	Ports			
	Aggregation	Static		
		LACP		
	Mirroring			
	Green Ethernet			
DDM	DDM Configuration			

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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		
	IPV6 MLD Snooping	Basic Configuration		
		VLAN Configuration		
		Port Filtering Profile		
LLDP				
Security Configure	Users			
	Privilege Levels			
	SSH			
	Port Security Limit			
	Access Management			
	802.1X			

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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			
Port DSCP			
DSCP-Based QoS			
DSCP Translation			
DSCP Classification			
QoS Control List			
Storm Policing			
Diagnostics	Ping		
	Cable Diagnostics		
	CPU Load		
Maintenance	Restart Device		

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	Factory Defaults			
	Firmware Upgrade			
	Firmware Select			
	Configuration		Download	
			Upload	
			Activate	
			Delete	

**【Ordering Information】**

Equipment model	Description
HR600-AFGM-42S	Layer 2 Management, 4 Gigabit PoE Ports + 2 Gigabit SFP Port + 1 Console port

**【Product Picture】**

