

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.

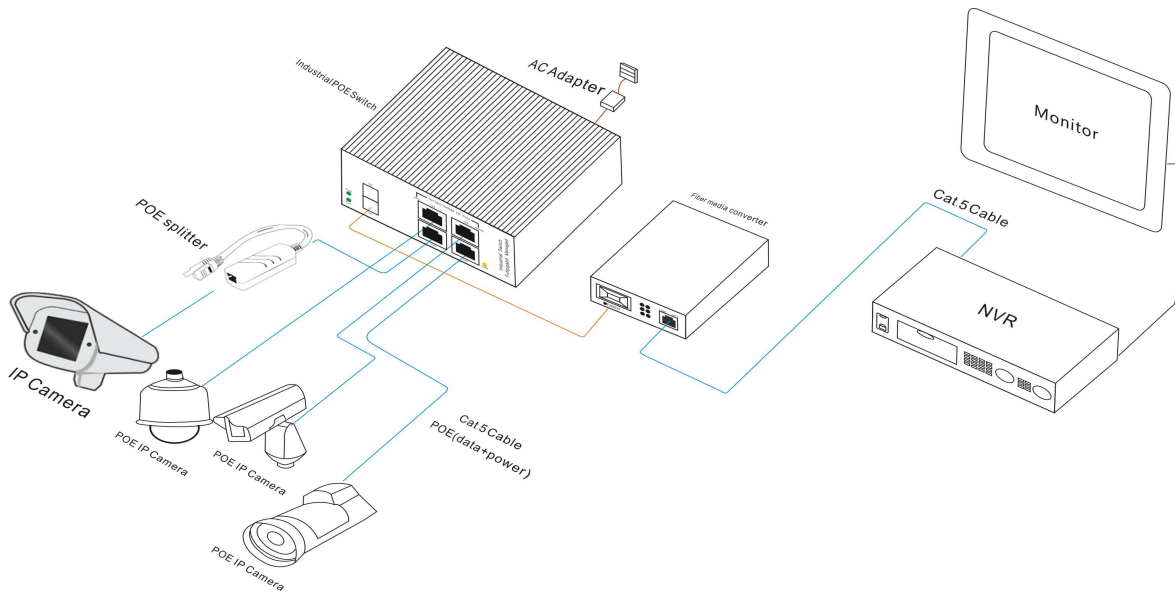
【Features】

- 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.
- IEEE802.3af (15.4w) 和 IEEE802.3at (30W), IEEE802.3bt (90W)
- 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 Mode2KV,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-BTGM-42S	
Port Definition	4 Gigabit PoE Ports (Support BT) +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: IEEE802.3af /IEEE802.3at/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)	
Fiber Media	Multi-mode: 850nm, 1310nm Transmission Distance: 550m/2Km Single-mode: 1310nm, 1550nm Transmission Distance: 20/40/60/80/100/120Km	
	PWR	Lighting: Powered

LED Indicator		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): 245mm×190mm×60mm Standard packing(L×W×H): 505mm× 320 mm× 400mm 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	<ol style="list-style-type: none"> 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	
Hardware Parameters		
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				

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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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			

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	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				

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	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-BTGM-42S	Layer 2 Management, 4 Gigabit PoE Ports (Support BT) + 2 Gigabit SFP Port + 1 Console port, BT

【Product Picture】

