

14 Ports Gigabit Industrial Managed Switch

(Adopt VTS Industrial Grade Switch Chip)

【Product Description】

14 Port Gigabit Industrial Ethernet Switch, 8 Gigabit Ports + 2 Gigabit Uplink Port+ 4 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 (DC12-55V); -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. 8 Gigabit Ports + 2 Gigabit Uplink Port+ 4 Gigabit SFP Port (13-14 Port support 2.5G, Compatible with 1.25G/155M)
2. Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z / ab, IEEE802.1Q, IEEE802.1p, IEEE802.1d/w
3. Support bypass protection function
4. Support STP (802.1D), RSTP (802.1w), 802.1s (MSTP), ERPS
5. Support SNMP v1/v2/v3
6. Support IGMP Snooping , Static multicast filtering and MLD Snooping
7. Support 802.1x port and AAA Certification , Enhance network security
8. Support WEB, Telnet, CLI,SSH management
9. IP40 protection, rugged high-strength metal case, DIN35 Rail mounting
10. EMC grade 4 design, -40 to 75°C working temperature
11. Support Redundant power supply access, support anti-reverse connection
12. Surge Protection: General 6KV, Differential 4KV; ESD 15KV(Air), 8KV (Contact)
13. 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 Switch
Product Model		HR600-SWG20824AS-BP
Port Definition		8 Gigabit Ports + 2 Gigabit Uplink Port+ 4 Gigabit SFP Port (13-14 Port support 2.5G, Compatible with 1.25G/155M)
Network Protocols		IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.1d IEEE802.1w
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: 1000M Link Un-Light: 10/100M Link
		Green light Slow Flashing: 10/100/1000 Link normally Un-Light: Link disconnect Flashing: Link data transmission
		G9-G14 Lighting: Fiber Connection is Normal Un-Light: Disconnect
Power Supply		Input Voltage: DC12 ~ 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℃ 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	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			
	Detailed Syslog			
	MAC Table			
	VLANs	Membership		
		Ports		
	Ports	Traffic Overview		
		Detailed Statistics		
	LACP	System Status		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
		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
		ACL Status	
AAA	RADIUS Overview		
	RADIUS Details		
QoS	QoS Statistics		
	QCL Status		
Network Admin	IP Config		
	IP Status		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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	
		Port config	
	Port Isolation	Port Group	
		Port Isolation	
	Loop Protection		
	Spanning Tree	Bridge Setting	
		MSTI Mapping	
MSTI Priorities			

Menu Items	Submenus	Secondary Submenus	Triple Submenus
		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	
		Detailed Statistics	
	IP&MAC Source Guard	Configuration	
		Static Table	
		Dynamic Table	
	ARP Inspection	Port Configuration	
		VLAN Configuration	
		Static Table	

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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-SWG20824AS-BP	8 Gigabit Ports + 2 Gigabit Uplink Port+ 4 Gigabit SFP Port (13-14 Port support 2.5G, Compatible with 1.25G/155M)

【Product Picture】