

14 Ports Gigabit Managed Industrial 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 + 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】

1. 8 Gigabit Ports +2 Gigabit Uplink Port + 4 Gigabit SFP Port + 1 Console Port
2. Support IEEE802.3 , IEEE802.3u , IEEE802.3x , IEEE802.3z / ab , IEEE802.1Q , IEEE802.1p , IEEE802.1d/w
3. Support STP (802.1D), RSTP (802.1w) , 802.1s (MSTP) , ERPS
4. Support SNMP v1/v2/v3
5. Support IGMP Snooping , Static multicast filtering and MLD Snooping
6. Support 802.1x port and AAA Certification , Enhance network security
7. Support WEB, Telnet, CLI,SSH management
8. IP40 protection, rugged high-strength metal case, DIN35 Rail mounting
9. EMC grade 4 design, -40 to 85°C working temperature
10. Support Redundant power supply access, support anti-reverse connection
11. Support Port lightning protection, Surge : General Mode 6KV, Differential Mode 2KV,ESD: 15KV, Support EMC EN55032 standard

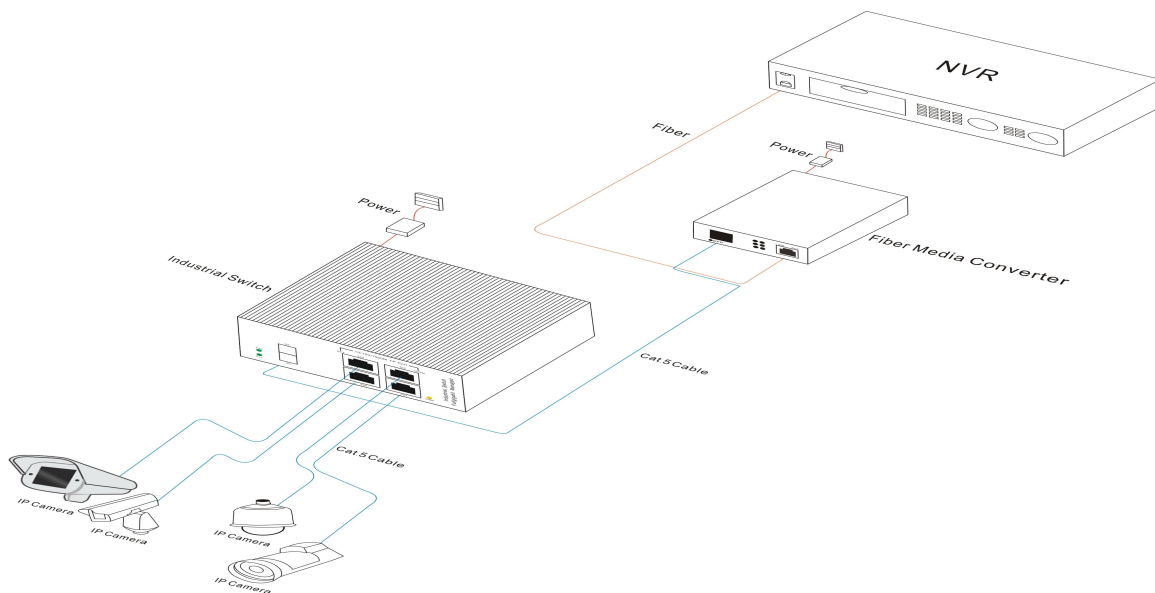
【Application Environment】

- ◆ 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 | 14 Ports Gigabit Industrial Managed Switch |
| Product Model | HR600-SWG20824S |
| Port Definition | 8 Gigabit Ports + 2 Gigabit Uplink Port + 4 Gigabit SFP Port + 1 Console Port |
| 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) | |
| 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 |
| | G11-G14 | Lighting: Fiber Connection is Normal Un-Light: Disconnect |
| Power Supply | Input Voltage: DC 12 ~ 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): 250mm×210mm×88mm Standard packing(L×W×H): 608mm×500 mm×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"> 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 | 28Gbps |
| Packet Forwarding Rate | 20.83Mpps |
| 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 | | |

| Menu Items | Submenus | Secondary Submenus | Triple Submenus |
|---------------|-------------|--------------------|-----------------|
| | 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 | |

| Menu Items | Submenus | Secondary Submenus | Triple Submenus |
|-----------------------|----------------|--------------------|-----------------|
| | | 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 | |

| Menu Items | Submenus | Secondary Submenus | Triple Submenus | |
|--------------------|---------------------|--------------------|------------------------|--|
| | 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 | | | |

| Menu Items | Submenus | Secondary Submenus | Triple Submenus | |
|------------|-------------------|---------------------|-----------------|--|
| | Access Management | | | |
| | 802.1X | | | |
| | ACL | Ports | | |
| | | Rate Limiters | | |
| | | Access Control List | | |
| | 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 | Port Classification | | |
| Configure | Port Policing | | | |

| Menu Items | Submenus | Secondary Submenus | Triple Submenus | |
|-------------|---------------------|--------------------|-----------------|--|
| | 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-SWG20824S | 8 Gigabit Ports + 2 Gigabit Uplink Port + 4 Gigabit SFP Port + 1 Console Port |

【Product Picture】

