

14 Ports Gigabit Managed Industrial PoE Switch

(Adopt VTS Industrial Grade Switch Chip)

【Product Description】

14 Port Gigabit Industrial Ethernet PoE Switch, 8 Gigabit PoE Ports + 6 Gigabit SFP Port + 1 Console Port, supporting Din rail and wall mounting. Supports dual power input (DC48-55V); -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】

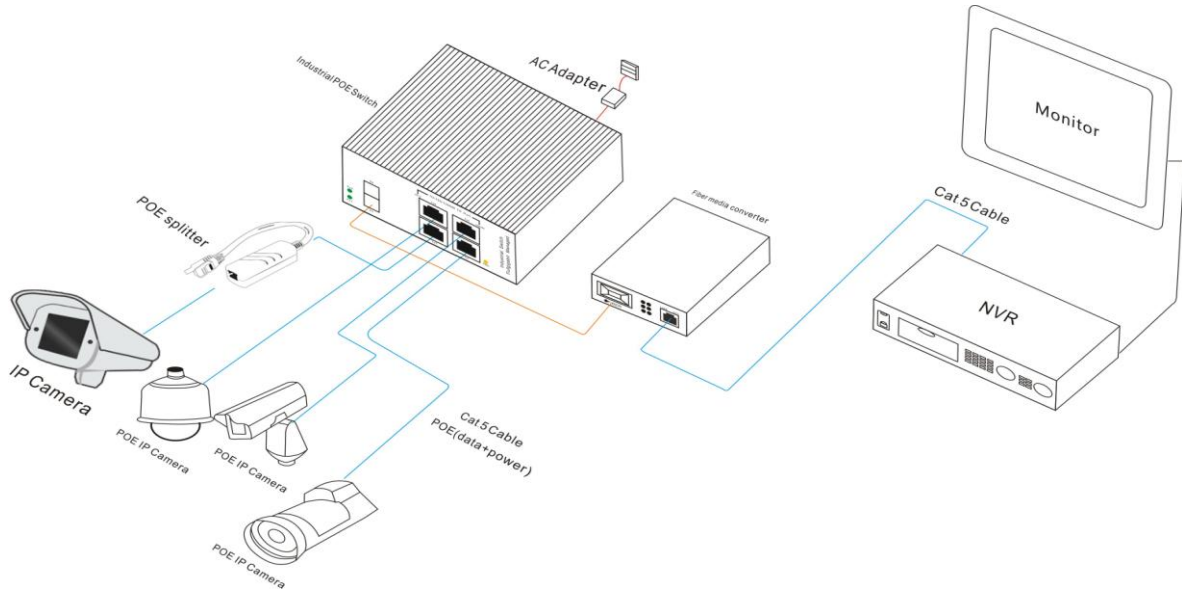
1. Support 8 Gigabit PoE Ports + 6 Gigabit SFP Port + 1 Console Port
2. Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z / ab, IEEE802.1q, IEEE802.1p, IEEE802.1d/w
3. Support PoE Power Management, PoE Watch dog
4. Support STP (802.1D), RSTP (802.1w), 802.1s (MSTP), ERPS
5. Support SNMP v1/v2/v3
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. Support IEEE802.3af (15.4w)、IEEE802.3at (30W)
10. IP40 protection, rugged high-strength metal case, DIN35 Rail mounting
11. EMC grade 4 design, -40 to 85°C working temperature
12. Support Redundant power supply access, support anti-reverse connection
13. Support Port lightning protection, Surge: General Mode 6KV, Differential Mode 2KV, ESD: 15KV
14. 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 PoE Switch
Product Model	ZX600-AFGM-SWG2086S
Interface	8 Gigabit PoE Ports + 6 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 port Auto detect IEEE 802.3af / at devices
	POE Power Output: DC48-55V
	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	Lighting: Link normally Un-Light: Link disconnect
	G9-G14	Lighting: Fiber Connection is Normal Un-Light: Disconnect
Power Supply	Input Voltage: DC48 ~ 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(LxWxH): 188mm*130mm*64mm Package Dimensions(LxWxH): 242mm*207mm*86mm Standard packing(LxWxH): 445mm*445 mm*510mm 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	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	
		Port Status	
		Port Statistics	
	Green Ethernet		
	LLDP	Neighbors	
		Port Statistics	
	Loop Protection		
	Spanning Tree	Bridge Status	
Port Status			

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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	

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 Configure	Ports			
	Aggregation	Static		
		LACP		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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	
	IPMC Profile	Profile Table	
		Address Entry	

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	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	

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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				

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	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
ZX600-AFGM-SWG2086S	8 Gigabit PoE Ports + 6 Gigabit SFP Port + 1 Console Port

【Product Picture】

