

# 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 +2 Gigabit Uplink Port + 4 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】

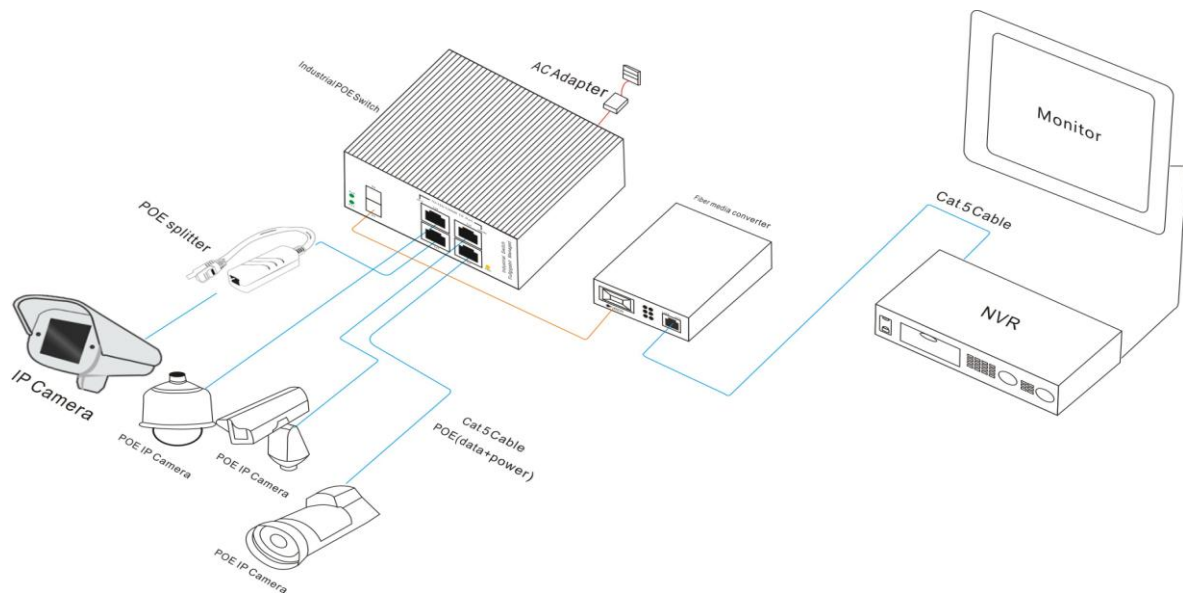
1. 8 Gigabit PoE Ports +2 Gigabit Uplink Port + 4 Gigabit SFP Port + 1 Console Port
2. Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z / ab, IEEE802.1Q, IEEE802.1p, IEEE802.1d/w
3. Support PoE Power Management, PoE Watch dog
4. Support STP (802.1D), RSTP (802.1w), 802.1s (MSTP), ERPS
5. Support 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, 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-SWG20824S
Port Definition	8 Gigabit PoE 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
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
	 Lighting: Fiber Connection is Normal

	G11-G14	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(L×W×H): 188mm*130mm*64mm Package Dimensions(L×W×H): 245mm×207mm×86mm Standard packing(L×W×H): 445mm×445 mm×510mm Standard packing quantity: 20 (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"> <li>1. Industrial grade switch: 1 Set</li> <li>2. Instruction manual: 1 PCS</li> <li>3. Certificate, warranty card: 1 PCS</li> <li>4. Serial cable: 1PCS</li> <li>5. Operation manual CD: 1 PCS</li> </ol>	
Warranty	5 years	
<b>Hardware Parameters</b>		
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		
		Port Statistics		
	IGMP Snooping	Status		
Groups Information				

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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				

Menu Items	Submenus	Secondary Submenus	Triple Submenus
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			



Menu Items	Submenus	Secondary Submenus	Triple Submenus
		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	Configuration

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	Guard	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		

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

**【Product Picture】**

