

10 Ports Gigabit Managed Industrial PoE Switch

(Adopt VTS Industrial Grade Switch Chip)

【Product Description】

10 Port Gigabit Industrial Ethernet PoE Switch, 8 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】

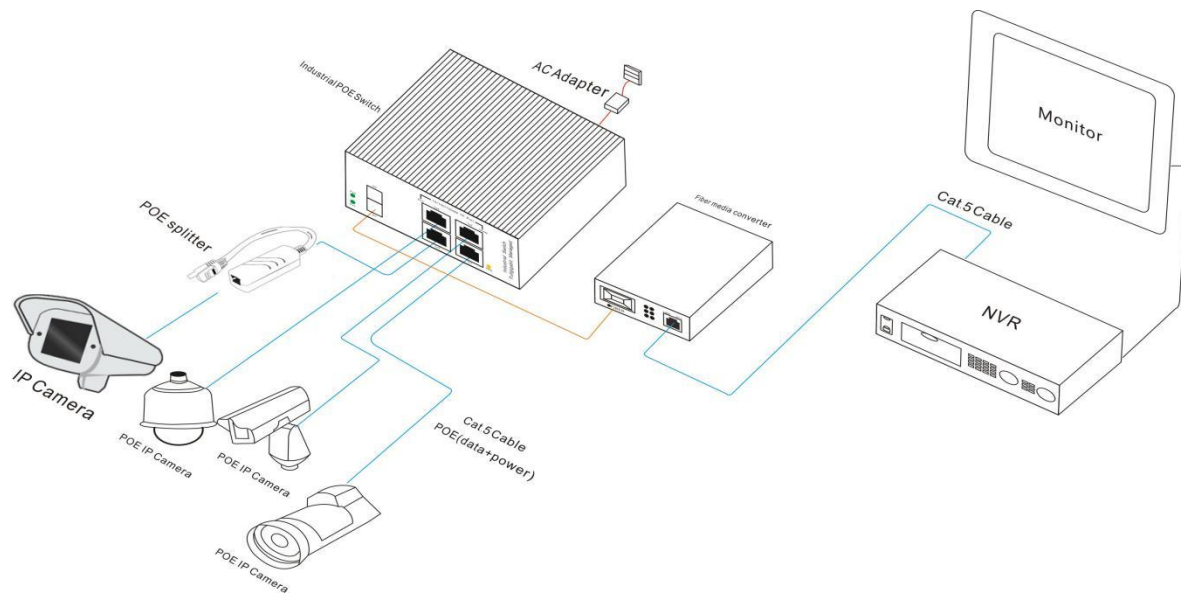
- 8 Gigabit PoE Ports + 2 Gigabit SFP Port + 1 Console port
- Support: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z / ab, IEEE802.1Q, IEEE802.1p, IEEE802.1d/w
- PoE Power Management, PoE Watchdog based on data stream detection.
- Support IEEE802.3af (15.4w) 和 IEEE802.3at (30W) .
- Support STP (802.1D) , 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 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	10 Ports Gigabit Managed Industrial PoE Switch
Product Model	ZX600-AFGM-82S
Port Definition	8 Gigabit PoE Ports + 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: 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 Compatibility: IEEE 802.3af / at adaptive
	POE Power Output: DC 48-55V
	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-mod: 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 Flashing: Port and device mismatch
	Green light	Slow Flashing: 10/100/1000 Link normally Un-Light: Link disconnect Flashing: Link data transmission
	G9-G10	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: 0.8 KG Package weight: 1.1 KG (Without power) Product Dimensions (L×W×H): 165mm×130mm×65mm 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 ~ 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	20Gbps
Packet Forwarding Rate	14.88Mpps
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		

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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	
		IPv4 SFM Information	
	MLD Snooping	Status	

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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	IP Config			
Admin	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	

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
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		
VLAN Configuration				
Port Filtering Profile				

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	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 Guard	Source	Configuration	
			Static Table	
			Dynamic Table	

Menu Items	Submenus	Secondary Submenus	Triple Submenus
	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 Remark		
	Port DSCP		
	DSCP-Based QoS		
	DSCP Translation		
	DSCP Classification		
	QoS Control List		
Storm Policing			
Diagnostics	Ping		
	Cable Diagnostics		
	CPU Load		

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
Maintenance	Restart Device			
	Factory Defaults			
	Firmware Upgrade			
	Firmware Select			
	Configuration		Download	
			Upload	
			Activate	
			Delete	

【Ordering Information】

Equipment model	Description
ZX600-AFGM-82S	Layer 2 Management, 8 Gigabit PoE Ports + 2 Gigabit SFP Port + 1 Console port

【Product Picture】



