

## 6 Ports Gigabit Managed Industrial PoE Switch (Adopt VTS Industrial Grade Switch Chip)

### 【Product Description】

6-port Gigabit Industrial Ethernet PoE Switch, 4 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】

- 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.
- IEEE802.3af (15.4w) 和 IEEE802.3at (30W) , IEEE802.3bt (90W)
- 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 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.

### 【Technical parameters】

Product Name	6 Ports Gigabit Managed Industrial PoE Switch
Product Model	SL-G624PT
Port Definition	4 Gigabit PoE Ports ( Support BT ) +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: IEEE802.3af /IEEE802.3at/IEEE802.3bt Single PoE Port Power Output: Max: 15.4 W (IEEE 802.3af)

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	Max: 30 W (IEEE 802.3at)
	Max: 90 W (IEEE 802.3bt)
	PoE Compatibility: IEEE 802.3af/at/bt adaptive
	POE Power Output: DC 48-55V
	POE Power Pin: 1/2- ; 3/6+ ( bt : 1/2- 3/6+ ; 4/5+ 7/8- )
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 Slow Flashing: 10/100/1000 Link normally Un-Light: Link disconnect Flashing: Link data transmission
	G5-G6 Lighting: Fiber Connection is Normal Un-Light: Disconnect Flashing: Link data transmission
Power Supply	Input Voltage: DC12 ~ 55V (POE 48V , Data : 12~24V) Type of input: 4 PIN Industrial Terminal (block V1+V1- V2+ V2-)
Physical structure	Protect grade : IP40 Installation : DIN Rail Product weight: 0.6KG Package weight :0.8 KG (Without power) Product Dimensions (LxWxH): 145mmx125mmx40 mm Package Dimensions (LxWxH): 245mmx190mmx60mm Standard packing(LxWxH): 505mmx 320 mmx 400mm 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	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
<b>Hardware Parameters</b>	
Bandwidth	12Gbps

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Packet Forwarding Rate	8.928Mpps
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		
		IPv4 SFM Information		
	MLD Snooping	Status		
Groups Information				
IPv6 SFM Information				
DHCP	Server		Statistics	

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Menu Items	Submenus	Secondary Submenus	Triple Submenus	
			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			
	DHCP Server	Mode		
		Excluded IP		
		Pool		
	NTP			
	Timezone			
	SNMP	System		
		Trap		
		Communities		
		Users		
		Groups		
		Views		
		Access		
Syslog				
Port Configure	Ports			
	Aggregation	Static		

## Data sheet

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
		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	
			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			

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Menu Items	Submenus	Secondary Submenus	Triple Submenus	
	SSH			
	Port Security Limit			
	Access Management			
	802.1X			
	ACL	Ports		
		Rate Limiters		
		Access Control List		
	DHCP	Snooping Setting		
		Snooping Table		
		Relay		
		Relay Statistics		
	IP&MAC Source Guard	Detailed Statistics		
		Configuration		
		Static Table		
	ARP Inspection	Dynamic Table		
		Port Configuration		
		VLAN Configuration		
		Static Table		
	AAA	Dynamic Table		
		RADIUS		
QoS Configure	TACACS+			
	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				

## Data sheet

Menu Items	Submenus	Secondary Submenus	Triple Submenus	
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
SL-G6242PT	Layer 2 Management, 4 Gigabit PoE Ports ( Support BT ) + 2 Gigabit SFP Port + 1 Console port, BT
NDR-240-48	Industrial 48V 5A Power supply (PoE 허브용)
MDR-40-24	Industrial 24V 1.7A Power supply(일반 허브로 사용시)

Not include Power supply.

### 【Product Picture】

