WD-GS-2210-8P4Si

12 Port Industrial PoE Switch

Product Data Sheet

Apollo Infoways Pvt. Ltd.

10/100/1000M 8-RJ45(POE) + 4*1G SFP Slot

Overview

WD-GS-2210-8P4Si series L2 managed switch adopt store-and-forward architecture and energy saving design, with 8*10/100/1000Base-T PoE port and 4*1G/1GBase-X port. At the same time, it supports the public Ethernet ring network protection protocol (ERPs), which greatly improves the networking flexibility and availability. L2 management function makes installation get more easier and convenient, providing 1G high speed Rate downlink port and 1G uplink port to build a high-performance and reliable network. It also be used as outdoor Gigabit convergence and gateway equipment.

WD-GS-2210-8P4Si Industrial POE Switch is the ideal solution for powering remote devices such as IP phones, video cameras, wireless access points, alarms, traffic controllers, sensors and tracking devices, which are installed 100m far from a Power over Ethernet switch. In addition to transmitting data, the twisted-pair port also injects power down the cable, allowing a remote Power over Ethernet Device to operate without the need of any additional power source. All Power over Ethernet Powered Devices (IEEE 802.3af/at complaint) are supported, as the Power Sourcing Equipment (PSE) device can deliver a full 15.4W / 30W of power to the remote PD device.

Hardware Features

- ERPS (G.8032) Ring network protocol, high network availability
- Non blocking high speed forwarding.
- Supports Port Trunking
- It provides 4*1G DDM Supported SFP interfaces to form a ring network
- Auto MDI-II/MDI-X support for uplink
- Support POE power function, support IEEE 802.3af/at standard
- POE Budget management (240W)
- It supports multiple three-layer ports and static routing
- Web/CLI/SSH/Telnet/SNMP Management

- Supports DDoS Attack Prevention
- Supports Broadcast, Multicast and Unicast Storm Control
- 4KV surge protection for UTP
- IP30 protection
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Technical Specifications

Standards	IEEE802.3 10BASE-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3ae 1 Gigabit Ethernet, IEEE802.1Q VLAN, IEEE802.3x Flow control and back pressure, IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP, IEEE 802.3az, IEEE802.3ah IEEE802.3ad Link Aggregation, ITU-T G.8032 IEEE802.3af/at PoE PoE+
Switching Capacity	24Gbps/non-blocking
Packet forwarding rate	17.85Mpps
MAC Address Table	16K
VLAN	4K
Jumbo Frame	9000
Packet Buffer Space	12M
Copper	8*10/100/1000Base-T, RJ45 (PoE)
Fiber	4*1GBase-X, SFP+ Slot
Console	RS232 (RJ45)
Key Switch	Reset
POE	802.3af, 802.3at Pin Assignment:1,2+;3,6- PoE Management
Power	48~58 VDC Redundant power inputs Reverse Polarity Power Consumption: ≤250W Connector: 6-PIN Removable Terminal Block
LED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link
Operating Temperature	-40 ˚C ~ +85 ˚C
Relative Humidity	5-95% (no condensation)
Housing	IP40 Protection, Aluminum Alloy, fan-less
Mounting	DIN-rail; wall-mounted/rack mounted kits optional
Dimensions	169*117*50mm(device); 235*170*95mm(packing)
Weight	0.75kg(device); 0.90kg(device with packing)
Protection	IEC 61000-4-5 Level 4 IEC 61000-4-4 Level 4 IEC 61000-4-2 Level 4
Regulations	CE/FCC/RoHS

Software Feature

L2 Features	Port Features	IEEE 802.3x flow control
		Interface counters
		Storm control
		LLDP
	Link Aggregation	Static aggregation
		Dynamic aggregation, LACP
	Mirror	Port-based mirror
	Spanning Tree	IEEE802.1d STP
		IEEE802.1w RSTP
		IEEE802.1s MSTP
	VLAN	Port-based VLAN
	Mac-address table	Static mac-address
		Dynamic mac-address
		Filtering mac-address
	QINQ	Port-based QinQ
		VLAN-based QinQ
		Flow-based QinQ
		1:1 VLAN Mapping
	ERPS (G.8032)	Single ring
		Sub-Ring
		Multi-ring
		Load balance
	Layer 2 Multicast	IGMP V1 Snooping
		IGMP V2 Snooping
		IGMP V3 Snooping
		Source Port Check
		IGMP Fast Leave
Lite L3 Features	ARP	Static ARP
		Dynamic ARP
	IPV4	Static route
Security Features	ACL	IP Standard ACL
		MAC extend ACL
		IP extend ACL
	QoS	QoS Class, Remarking
		SP, WRR queue scheduling
		Ingress Port-based Rate-limit
		Ingress Priority-based Rate-limit
		Egress Port-based Rate-limit
		Egress Queue-based Rate-limit
		Policy-based QoS, Priority based Queue
	Dot1x	Port Access Control
		User Access Control
		Mac-address Access Control

		RADIUS Server
Management	User management	Password protection
	SNMP	SNMP V1/V2C/V3
	CLI / SSH	Support
	Web management	Web management
		HTTP V1.1
		HTTPS
	Firmware Upgrade	Firmware Upgrade
	Syslog/Debug	Support
	IPV4/IPV6	Support
	Diagnosis	ping(ipv4)
		ping(ipv6)
		Trace route(ipv4)
		Trace route(ipv6)
Application	NTP	NTP Client
	DHCP Snooping	Trust Port
	Telnet	Telnet Server
		Telnet Client
	TFTP	TFTP Client

Order Information

Model No.	Description
WD-GS-2210-8P4Si	L2 Managed, 8*10/100/1000Base-T PoE + 4*1GBase-X
Note: Power supply provided by user or ordered additionally	

For More Information

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