Item	Industrial L2 Managed POE Switch
Model No.	IMS3214-204P
Description	4*10/100/1000Base-T(POE) + 2*100/1000Base-X

### Overview

IMS3214-204P Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 4\*10/100/1000Base-T with POE af/at port and 2\*1.25G/155M SFP fiber port. Full-series design with protection against lightning,anti-static and operate in -40° C~85° C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields. 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)
- Loop Protection
- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)
- Provide power polarity reverse, Overload current protect function
- 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
- 4KV surge protection for UTP and fiber ports
- SFP 100/1000Base-X
- IP40 Aluminum metal case protection
- DIN-rail default, Wall Mount kits optional
- Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection

- -40°C~85°C operating temperature
- Low power consumption

# **Technical Specifications**

	IEEE802.3 10BASE-T; IEEE802.3u 100Base-TX		
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X		
	IEEE802.3x Flow control and back pressure; IEEE802.1Q VLAN		
Standards	IEE802.3af/at POE		
	IEEE802.1w RSTP		
	IEEE802.1s MSTP		
	IEEE802.1d STP		
Switching Capacity	12Gbps/non-blocking		
MAC Address Table	8K		
Data Buffer	4M		
Maximum Frame Size	9.6K Jumbo Frame		
	4*10/100/1000Base-T, RJ45		
Copper	ESD protection		
	EFT protection		
Fiber	2*100/1000Base-X,SFP Slot		
	PIN: 1/2(+), 3/6(-)		
POE	Power range: DC48-57V		
	Output power / working time management		
Console	RS232 (RJ45)		
Key Switch	Reset		
	DC:48V~58V, redundant power inputs		
	6-PIN Removable Terminal Block		
Power	Overload voltage protection		
FOWEI	Overload current protection		
	Reverse Polarity protection		
	Lightning protection:6KV		
	ESD: 8~15KV		
LED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link, POE		
Operating Temperature	-40 °C ~ +85 °C		
Relative Humidity	5-95% (no condensation)		
Housing	IP40 Protection, Aluminum Alloy, fan-less		
Mounting	DIN-rail 35-7.5, wall mounting (with optional kit)		
Dimensions	169*117*50mm(device); 235*170*95mm(packing)		
Weight	0.75kg(device); 0.93kg(device with packing)		
Regulations	CE/FCC/ROSH		

#### **Software Feature**

		IEEE 802.3x flow control
	Don't Footuree	Interface counters
	Port Features	Storm control
		Port isloated
		Static aggregation
	Link Aggregation	Dynamic aggregation, LACP
		Port-based mirror
	Mirror	Vlan-Based
		Flow-Based
		IEEE802.1d STP
	Spanning Tree	IEEE802.1w RSTP
		IEEE802.1s MSTP
		Port-based VLAN
		access/trunk/hybrid-port
	VLAN	4094 IEEE802.1Q VLAN VID
		GVRP
L2 Features		IEEE 802.1q
		MAC address: 8K
		Support MAC address automatic learning and aging
	Mac-address table	Static mac-address
		Dynamic mac-address
		Security mac-address
	Loop Protection	Supported
	Private VLAN	Supported
	ERPS (G.8032)	Single ring
		Sub-Ring
		Multi-ring
		Load balance
		Recovery Time < 50ms
	Layer 2 Multicast	IGMP Snooping V1/V2/V3
		Source Port Check
		IGMP Fast Leave; Filter, Agent
	ACL	ACL (IP Standard ACL), IPV4/IPV6
		MAC extend ACL;IP extend ACL
Security		Support matching L2, L3, L4 layer fields
		Support log, redirection, mirroring, speed limit
	QoS	QoS Class, Remarking
L	1	1

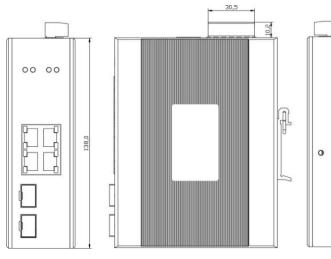
		CD WDD gueue achaduling
		SP, WRR queue scheduling
		SP,WRR, SP+WRR
		Ingress Port-based Rate-limit
		Ingress Priority-based Rate-limit
		Egress Port-based Rate-limit
		Egress Queue-based Rate-limit
		Policy-based QoS
		Storm Control
		IEEE 802.1p 8 active priorities queues for per port
	Dot1x	Port Access Control
		User Access Control
	DOLTX	Mac-address Access Control
		RADIUS Server
		Support dynamic table entries
	IP Source Guard	Support static table entries
		Support dynamic table entries
	ARP Inspection	Support static table entries
	Port Security	Supported
	Access Management	Supported
	User management	Password protection
	SNMP	SNMP V1/v2C/V3
		Statistics Group
	DMON	History Group
	RMON	Alarm Group
		Events Group
	CLI	Support
	RADIUS client	Support
Management	Web management	HTTP V1.1, HTTPS
	Firmware Upgrade	Reversion Upgrade
	Syslog/Debug	Support
	IPV4/IPV6	Support
	Diagnosis	ping(ipv4)
		ping(ipv6)
		Trace route(ipv4)
		Trace route(ipv6)
	NTP	NTP Client
Application	DHCP	DHCP Client
	DHCP Snooping	Trust Port

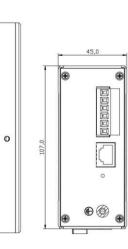
Telnet	Telnet Server
TFTP	TFTP Client
SSH	SSH Server

## **Order Information**

Model No.	Description	
IMS3214-204P	4*10/100/1000Base-T (POE) + 2*100/1000Base-X, SFP slot	
Note:		
1. Power supply provided by user or ordered additionally		

## **Dimensional Diagrams**





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