Item	Industrial L2 Managed Switch
Model No.	IMS3210-204
Description	4*10/100/1000Base-T + 2*100/1000Base-X

Overview

IMS3210-204 Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 4*10/100/1000Base-T 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.

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

Standards	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 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
Copper	4*10/100/1000Base-T, RJ45 ESD protection EFT protection
Fiber	2*100/1000Base-X,SFP Slot
Console	RS232 (RJ45)
Key Switch	Reset
Power	DC:12V~58V, 6-PIN Removable Terminal Block Overload voltage protection Overload current protection Reverse Polarity protection Lightning protection:6KV ESD: 8~15KV
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 35-7.5, wall mounting (with optional kit)
Dimensions	138*107*45mm(device); 215*175*73mm(packing)
Weight	0.52kg(device); 0.65kg(device with packing)
Regulations	CE/FCC/ROSH

Software Feature

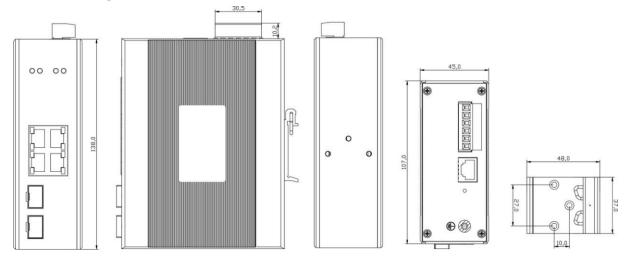|		
L2 Features	Port Features	IEEE 802.3x flow control
		Interface counters
		Storm control
		Port isloated
	Link Aggregation	Static aggregation
		Dynamic aggregation, LACP
	Mirror	Port-based mirror
		Vlan-Based
		Flow-Based
	Spanning Tree	IEEE802.1d STP
		IEEE802.1w RSTP
		IEEE802.1s MSTP
	VLAN	Port-based VLAN
		access/trunk/hybrid-port
		4094 IEEE802.1Q VLAN VID
		GVRP
	Mac-address table	IEEE 802.1q
		MAC address: 8K
		Support MAC address automatic learning and aging
		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
Security	ACL	ACL (IP Standard ACL), IPV4/IPV6
		MAC extend ACL;IP extend ACL
		Support matching L2, L3, L4 layer fields
		Support log, redirection, mirroring, speed limit
	QoS	QoS Class, Remarking

		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
		Mac-address Access Control
		RADIUS Server
	IP Source Guard	Support dynamic table entries
		Support static table entries
	ARP Inspection	Support dynamic table entries
		Support static table entries
	Port Security	Supported
	Access Management	Supported
Management	User management	Password protection
	SNMP	SNMP V1/v2C/V3
	RMON	Statistics Group
		History Group
		Alarm Group
		Events Group
	CLI	Support
	RADIUS client	Support
	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)
Application	NTP	NTP Client
	DHCP	DHCP Client
	DHCP Snooping	Trust Port

	Telnet	Telnet Server
	TFTP	TFTP Client
	SSH	SSH Server

Order Information

Model No.	Description
IMS3210-204	4*10/100/1000Base-T + 2*100/1000Base-X, SFP slot
Note: 1. Power supply provided by user or ordered additionally	

Dimensional Diagrams