| 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 |

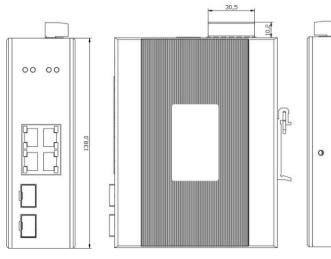
| | | CD WDD gueue achaduling |
|-------------|-------------------|---|
| | | SP, WRR queue scheduling |
| | | SP,WRR, SP+WRR |
| | | Ingress Port-based Rate-limit |
| | | Ingress Priority-based Rate-limit |
| | | Egress Port-based Rate-limit |
| | | Egress Queue-based Rate-limit |
| | | Policy-based 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 |

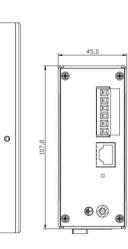
| Telnet | Telnet Server |
|--------|---------------|
| TFTP | TFTP Client |
| SSH | SSH Server |

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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