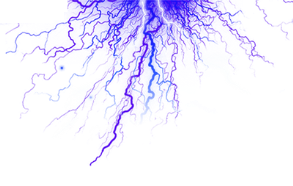
SP5200-4PFE2FE

**HanXin Industrial POE Switch**

Surge Protection Design

provides contact discharge of ±8KV DC and air discharge of ±15KV DC for Ethernet ESD protection. It also supports ±6KV surge immunity to improve product stability and protects users’ networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

SP5200-4PFE2FE

**Model:HX2208-4SFP** 

Key Features:

**Ports:** Provide 8\*10/100/1000Mbps PoE ports with 4 1000Mbps SFP

**PoE Standard:** IEEE802.3af/at Power over Ethernet (PoE) Compliant

**Self-adaption:** RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX

**Industrial Installation:** Din Rail mounting installation

**Wide Application:** Designed for Railway, traffic etc some Industrial environment

**Surge protection:** Protect the device from lighting surges and others electrical hazards

**Managed:** Support remote web managed,VLAN and storm control and IPV6 management etc.

**Working Temperature:** -40 to 85 degrees operating temperature

**Considerate Design:** IP40 Industrial design with dual power input

**Easy to use:** Plug and play, No configuration required

Environmentally Hardened Design

With the **IP40** metal industrial case which provides a high level of immunity against electromagnetic interference and heavy electrical surges,Being able to operate under the temperature range from **-40 to 85 degrees C**, the HX2208-4SFP can be placed in almost any difficult environment.

Gigabit SFP Uplink Port

With two SFP module slot available, the SFP uplink port is ideal for connecting the switch to the network’s backbone, providing more than enough bandwidth and stability for ultra high speed data transferring, Beside the SFP can transmitte the date with Max 100Km distance with more economic solution

Cost-effective IPv6 Managed Gigabit PoE Switch Solution

With layer 2+ managed Gigabit PoE Switch, It provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine, and supports high-speed transmission of surveillance images and videos.

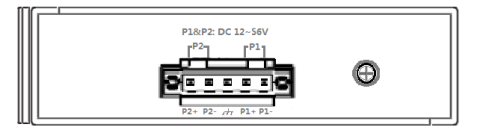
HX2208-4SFP

8-Port 10/100/1000Mbps Industrial Managed PoE Switch with 4 SFP

|  |  |  |
| --- | --- | --- |
| **Model** | **HX2208-4SFP** | |
| Hardware Specifications | | |
| Connector | 8 10/100/1000BASE-T RJ45 auto MDI/MDIX ports  4 1000 Base-X SFP Slots 1 Console port | |
| PoE Port | 8 10/100/1000Mbps POE PSE port | |
| LED Display | Power Indicator: PWR(green).  Network Indicator: Link(yellow)  PoE Working Indicator: PoE(green) | |
| Thermal Fan | Fanless Design | |
| Installation | Din Rail | |
| Switch Architecture | Store and Forward | |
| Transmission model | IEEE802.3X full-duplex and Backpressure half-duplex | |
| Switch Performance | Backplane bandwidth | 32Gbps |
| Packet forwarding rate | 19.86Mpps |
| MAC address | 8k |
| Power requirement | DC 44V~56V | |
| ESD Protection | 6KV ESD | |
| Dimension(W×D×H) | 48mm x 110mm x 150mm(1.89in x 4.33in x 5.91in) | |
| Weight | 1.25kg | |
| Power over Ethernet (PoE) Specifications | | |
| Network standard | IEEE802.3i 10 BASE-T  IEEE802.3u 100 BASE-TX  IEEE802.3ab 1000BASE-T  IEEE802.3x Flow Control  IEEE802.3af Power over Ethernet  IEEE802.3at Power over Ethernet  IEEE802.3az EEE | |
| PoE Standard | IEEE 802.3af Power over Ethernet/PSE  IEEE 802.3at Power over Ethernet Plus/PSE | |
| PoE Supply Type | 1/2(+), 3/6(-) End-span | |
| PoE Power Output | Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af)  Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at) | |
| PoE Power budget | 240W optional | |
| Layer 2 Functions |  | |
| Port Mirroring | TX / RX / both Many-to-1 monitor | |
| Vlan | 802.1Q tagged-based VLAN  Up to 256 VLAN groups, out of 4094 VLAN IDs 802.1ad Q-in-Q tunneling Voice VLAN;Protocol VLAN;Private VLAN (Protected port),GVRP | |
| Link Aggregation | IEEE 802.3ad LACP and static trunk  Supports 8 groups of 8-port trunk | |
| Spanning Tree Protocol | STP, IEEE 802.1D Spanning Tree Protocol  RSTP, IEEE 802.1w Rapid Spanning Tree Protocol  MSTP, IEEE 802.1s Multiple Spanning Tree Protocol | |
| IGMP Snooping | IGMP (v2/v3) snooping  IGMP querier  Up to 256 multicast groups | |
| MLD Snooping | MLD (v1/v2) snooping, up to 256 multicast groups | |
| Access Control List | IPv4/IPv6 IP-based ACL / MAC-based ACL | |
| PoE Management | Open or close port  Standard POE scheduling management Power and current display  Automatic restarting function of equipment dead machine Timing  Support IP bindings restarting | |
| QoS | 8 mapping ID to 8 level priority queues  --- Port number  --- 802.1p priority --- 802.1Q VLAN tag --- DSCP field in IP packet Traffic classification based, strict priority and WRR | |
| Security | IEEE 802.1X port-based authentication  Built-in RADIUS client to co-operate with RADIUS server  RADIUS / TACACS+ user access authentication  IP-MAC port binding  MAC filtering  Static MAC address DHCP Snooping and DHCP Option82 STP BPDU guard, BPDU filtering and BPDU forwarding DoS attack prevention ARP inspection IP source guard | |
| Management Function |  | |
| Basic Management Interfaces | Web browser / Telnet / SNMP v1, v2c, V3 Firmware upgrade by HTTP / TFTP protocol through Ethernet network Remote / Local Syslog,System log,LLDP protocol ,SNTP | |
| Secure Management Interfaces | SSH, SSL, SNMP | |
| SNMP MIBs | RFC 1213 MIB-II RFC 1215 Generic Traps RFC 1493 Bridge MIB RFC 2674 Bridge MIB Extensions RFC 2737 Entity MIB (Version 2) RFC 2819 RMON (1, 2, 3, 9) RFC 2863 Interface Group MIB RFC 3635 Ethernet-like MIB | |
| Environment | | |
| Safety | FCC Part15 Class A,CE.RoHs | |
| Environment specification | Operating temperature: -40℃~85℃，operating humidity: 5％~95％ | |
| Storage temperature: -40℃~85℃，storage humidity: 5％~95％ | |

HX2208-4SFP

8-Port 10/100/1000Mbps Industrial Switch with 4 SFP

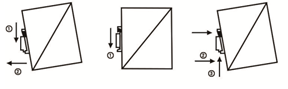


Ground screw

**Earth Protection**

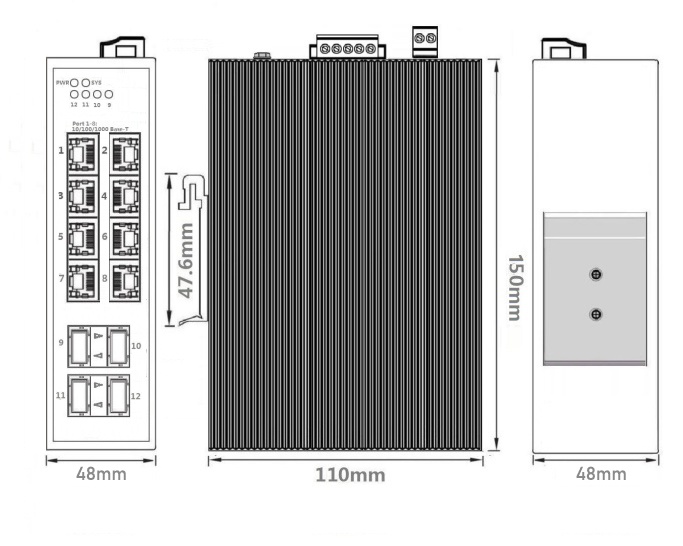
* 4-pin 3.81mm-spacing plug-in terminal
* 44V-56VDC wide voltage input
* P1&P2 dual power input
* Reverse protection

**Power Terminal**

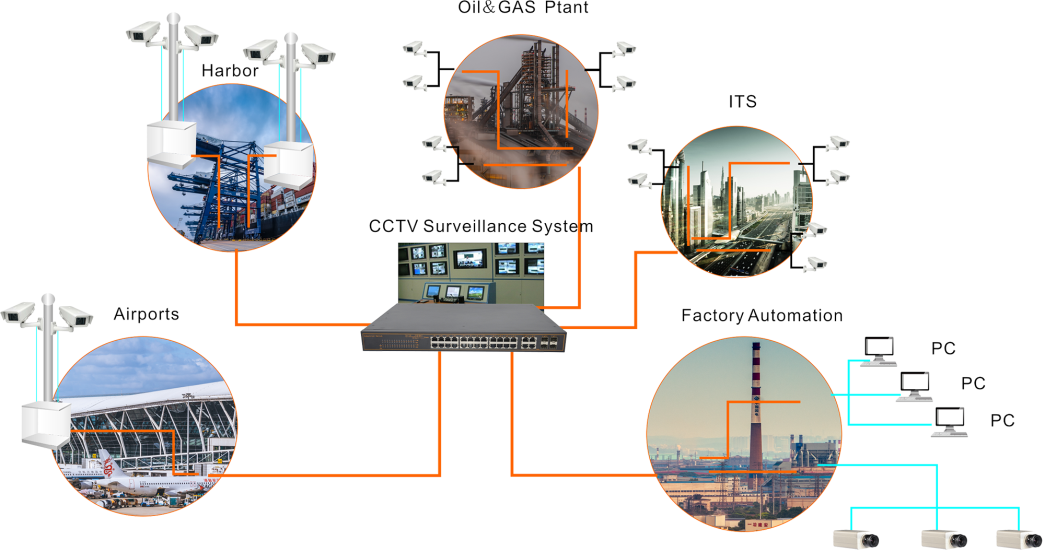


**Din-Rail**

Mechanical Drawing



Applications



|  |  |
| --- | --- |
| Ordering  Information | |
| HX2208-4SFP | 8 Ports 10/100/1000Mbps Industrial Managed PoE switch With 4 SFP |

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