

Industrial Gigabite PoE Switch



Metal Case



Port Isolated



Compatible



Ai Watchdog



Lightning Protection

OX-IGPS1108-2S

8Port Gigabite PoE +2GE SFP Uplink
Industrial Gigabite PoE Switch

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Gigabit Industrial PoE Switch

8 Ports PoE Full Gigabit Industrial Ethernet Switch+2*1000M SFP



OX-IGPS1108-2S is an industrial PoE switch independently developed by Oxion , supporting IEEE 802.13af / at power supply standard, providing 8 PoE power supply ports. At the same time , This series of switches has rich products, flexible port and unique industrial grade special management interface. It provides a comprehensive security protection system, perfect ring network application, QoS strategy and rich VLAN functions. It has simple management and maintenance, and can meet the use needs of various industrial fields. Compared with ordinary switches, it has stronger protection performance and hardware configuration, and can meet the application of high-density intelligent management PoE power supply network in complex and harsh environments such as factories and mines, industrial automation, transportation, infrastructure, ports and farms.

Port Performance

- 8*10 / 100 / 1000M RJ45 PoE adaptive ports are provided, and all ports can realize line speed forwarding.
- Provide 2 Gigabit SFP optical fiber uplink ports for high-speed uplink transmission.
- Support the combined use of multiple types of ports to facilitate the flexible networking of users and meet the networking requirements of various scenarios;
- Each port supports MDI / mdix automatic turnover and duplex / rate self negotiation.
- Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.

PoE Priority Function

- Ports 1 ~ 8 support IEEE 802.3af/at standard PoE 30W output (suitable for power supply of ordinary PoE equipment).
- It has an over-power indicator to protect the normal operation of the switch.
- System total power display and system total power configuration.
- Comply with IEEE 802.3af/at power supply standard, and the maximum PoE output power of the whole machine is 360W.

Strong Business Processing Capability

- Add a variety of IPv6 Based Applications to easily adapt to modern and complex network management applications
- Support IEEE 802.1Q VLAN, and users can flexibly divide VLANs according to requirements.
- Support QoS, support three priority modes based on port, 802.1p and DSCP, and optimize bandwidth configuration.
- Support ACL, filter data packets by configuring matching rules, processing operations and time permissions, and provide flexible security access control policies.
- Support IGMP V1 / V2 multicast protocol and IGMP snooping to meet the requirements of multi terminal HD video monitoring and video conference access.

Diversified Safty Protection

- Support STP / RSTP / MSTP spanning tree protocol, eliminate layer-2 loop and realize link backup.
- Support the spanning tree security function to prevent devices in the spanning tree network from various forms of malicious attacks.
- Support static aggregation and dynamic aggregation, effectively increase link bandwidth, realize load balancing and link backup, and improve link reliability.

Complex and harsh working environment

- Oxion industrial grade switch is designed strictly according to the working temperature of - 40 °C ~ 80 °C, and industrial grade devices are selected.
- Natural heat dissipation is adopted to ensure that the equipment can work stably for a long time within this temperature range and meet all kinds of harsh environments.
- High standard electromagnetic anti-interference protection design to adapt to various harsh electromagnetic environments such as electric power and industrial plants.
- Chemical nickel gold PCB board has high corrosion resistance, oxidation resistance and better electrical performance, which greatly improves the anti-corrosion performance of the equipment.
- The shell can be protected by IP40 to reduce the impact of dust on the normal operation of the equipment.

The equipment is stable and reliable

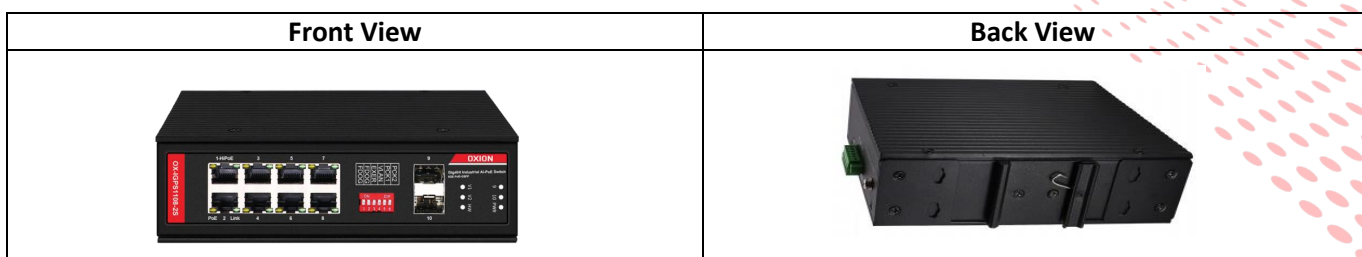
- Surge protection, which can greatly improve the lightning protection performance of the power supply through 6kV common mode, 3KV differential mode surge impact test and 8Kv electrostatic protection.
- Select industrial devices, cooperate with high standard system design and production control, and greatly reduce equipment faults.
- PCB board adopts chemical nickel gold board, which has high corrosion resistance, oxidation resistance and excellent electrical performance.
- Select high specification imported long-life solid-state capacitors to greatly improve the service life of the products.
- High redundancy system circuit design to avoid sudden changes in the external environment affecting the normal operation of the equipment.
- Strict industrial production testing process is adopted to effectively release the electrical stress of components and greatly improve the reliability of equipment.
- The machine body is small and can be conveniently placed in the industrial control cabinet with compact space.
- High thermal conductivity metal shell is adopted for better heat dissipation effect.
- The equipment meets the national CCC standard, fully meets the requirements of safety regulations, and is safe and reliable.

Easy to use

- OXION independent research and development of power supply, high redundancy design, to provide long-term stable PoE power output.
- The equipment meets the national CCC standard, fully meets the safety requirements, and is safe and
- Plug and play.
- Dynamic LED indicator provides simple working status prompt and troubleshooting.

Complete set of accessories

- User Manual
- DIN Rail Mount



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Model	OX-IGPS1108-2S
Downlink Port	8*10/100/1000M Port 1~8 support IEEE802.3af/at (single port power MAX 30W)
Uplink Port	2*1000M SFP
Ai Function	PoEdog auto execution when PoE is on; auto detection and fault device resetting.
Network protocol	IEEE 802.3x IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z IEEE 802.3ad IEEE 802.3q , IEEE 802.3q/p IEEE 802.1w, IEEE 802.1d , IEEE 802.1S IEEE 802.3z 1000BASE-X IEEE802.3af/at/POE++/BT
Port Specification	1-8 port 10/100/1000BaseT (X) auto detection, AUTO-MDI/MDI-X
Transmission Mode	Store and Forward(full wirespeed)
Bandwidth	20Gbps
Packet Forwarding	8.64Mpps
MAC	4K
Buffer	1.5M
Transmission Distance	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter) 1000BASE-TX : Cat6 or later UTP(≤150 meter) 1000BASE-SX:62.5μm/50μm MMF(2m~550m) 1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m) BIDI supported

Watt	Standby power consumption≤5W; Full-load power consumption≤200W ;
Operating Temperature/Humidity	-40 ~ +80°C ; 10% ~ 90% RH No coagulation
Storage Temperature/Humidity	-40 ~ +85°C ; 5% ~ 95% RH No coagulation
Lightning Protection Level	6KV 8/20us ; 8KV ESD IP40
Product Size/Packing Size (L*W*H)	160*130*40mm 310*210*60mm
N.W/G.W(kg)	0.81/1.1kg
Installation	DIN guide rail type(additional wall hangers)