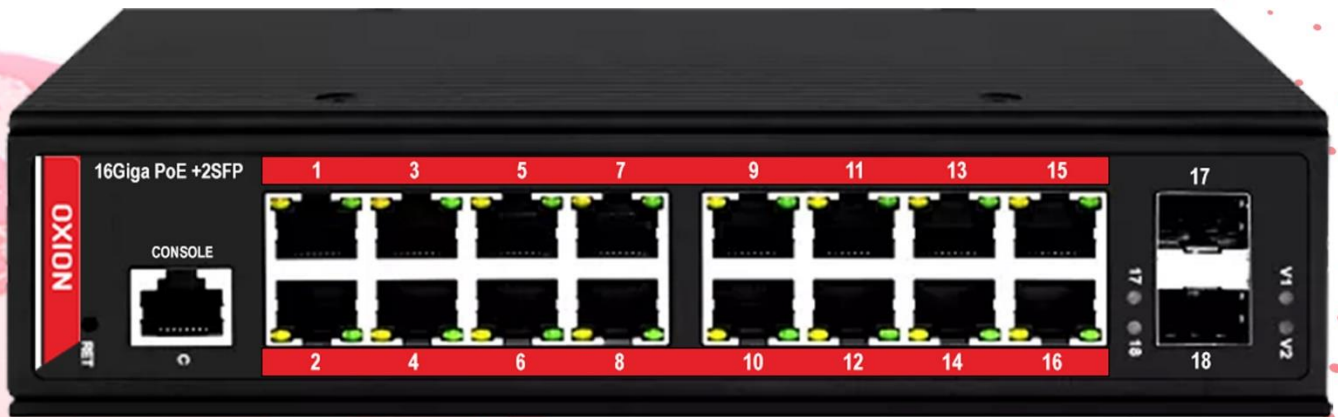


L2-Industrial Gigabit Web Managed PoE Switch



Metal Case



Port Isolated



Compatible



Ai PoEdog



Lightnig Protection

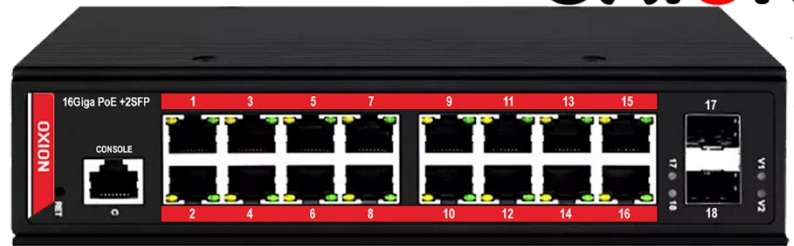
OX-GI2616MP-16G-2S-L2

16Port Gigabite PoE + 2SFP Uplink

Web Managed Industrial Gigabit PoE Switch

Gigabit Industrial PoE Switch

L2- 16 Ports PoE Full Gigabit Industrial Ethernet +2*1000M SFP web managed PoE



OX-GI2616MP-16G-2S-L2 is an web managed industrial Poe switch independently developed by Oxion , supporting IEEE 802.1af / at power supply standard, providing 16 Poe power supply ports and 2SFP Uplink . 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

- 16*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 &2 support standard Poe 90W output
- 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.

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

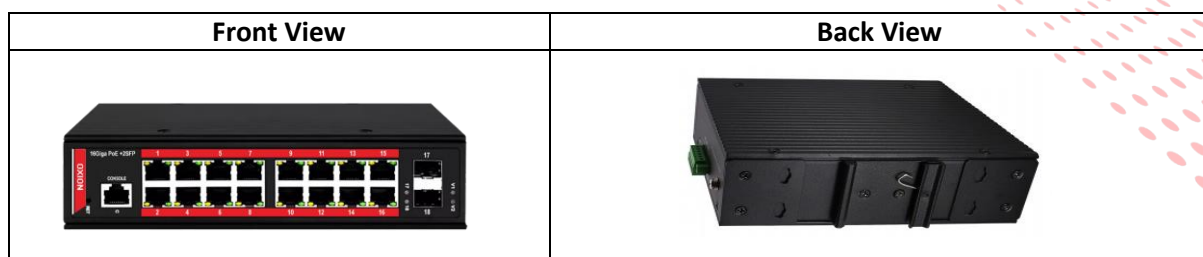
- Surge protection, which can greatly improve the lightning protection performance of the power supply through 6kV common mode, 3KV differential mode surge impact test and 8Kv electrostatic protection.
- Select industrial devices, cooperate with high standard system design and production control, and 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

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 reliable.
- Plug and play.
- Dynamic LED indicator provides simple working status prompt and troubleshooting.

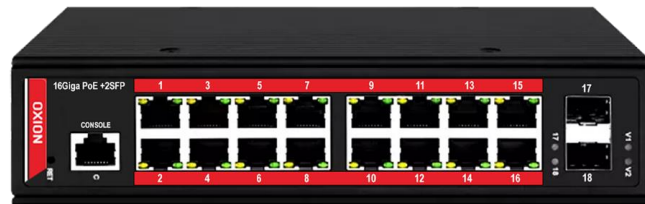
Complete set of accessories

- User Manual
- DIN Rail Mount



Gigabit Industrial PoE Switch

L2- 16 Ports PoE Full Gigabit Industrial Ethernet +2*1000M SFP web manged PoE Switch



Model	OX-GI2616MP-16G-2S-L2
Downlink Port	16*10/100/1000Base-TX RJ45 port (Data) Port1~2 support IEEE802.3af/at/poe++/btmax 90W/port Port 3~16 support IEEE802.3af/at ,max 30W/port
Uplink Port	2*1000M SFP
Console Port	1
Reset Key	1
Power Input	2 group of independent power input SW:DC12-57V POE: DC48-57V
Environment Detection	1 group of input detection of environment temperature and humidity
Ai Function	PoEdog auto execution when PoE is on; auto detection and fault device resetting.
Function Interface(only for enhancement model)	1switch for quick formation of ring network 2 group of independent power input, having under- and over-voltage protection 1 group of wide voltage alarm input at a range of DC5-57V 1 group of alarm output and relay output, can define various custom condition trigger 1 group of environmental temperature and humidity detection, can make real-time monitoring of the environment Real-time system of crucial voltage monitoring and alarm output function Real-time system temperature,environmenttemperature,humidity and alarm output function
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 STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol OXION 802.3AF/AT/HiPoE/BT

Port Specification	1-16 port 10/100/1000BaseT (X) auto detection, AUTO-MDI/MDI-X
Transmission Mode	Store and Forward(full wirespeed)
Bandwidth	128Gbps
Packet Forwarding	40.32Mpps
MAC	8K
Buffer	4.1M
Transmission Distance	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter) 1000BASE-TX : Cat6 or later UTP(≤1000 meter) 1000BASE-SX:62.5μm/50μm MMF(2m~550m) 1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm
FLASH	16M
RAM	128M
Watt	Standby power consumption≤15W; Full-load power consumption≤25W; Full-load power with Poe ≤600W
LED Indicator	17-18:(SFP LED) Port1-16:(Green=10/100/1000M; Orange=PoE on) PWR:(Power/system LED)
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(L*W*H)	208*130*50 mm
N.W(kg)	2.0kg
Installation	DIN guide rail type(additional wall hangers)
Certificate	CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B ; RoHS;
Warranty	Whole device for 1 year(Accessories not included)

Customized Software Function	
The followings are main functions not included in all the functions .Please contact with us for more other Information, We support software development for customization requirement.	
Monitoring Platform	Quick formation of ring network System temperature monitoring and alarm External temperature and humidity monitoring and alarm Input power monitoring and alarm System each channel key voltage monitoring and alarm System total current,total power monitoring and alarm All-Port network monitoring and alarm Support one group input and output signal monitoring and alarm
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 802.1X
MAC	Support 16K MAC address, auto aging and learning
VLAN	Support port-based VLAN Up to 4096VLANs
Configuration	Support Voice VLAN, can configure Qos for voice data 802.1Q
Spanning Tree	STP(Spanning tree protocol) RSTP/MSTP(Rapid spanning tree protocol) EPPS/EAPS(Ring network protocol) 802.1x
Port Aggregation	Support 8 groups of aggregation, each group support up to 8 ports;
Port Mirroring	Support many-to-one port mirroring
Loop Guard	Support loop protection, real-time detection, quick alarm, concise location, Intelligent blocking, automatic recovery
Port Isolation	Support downlink ports isolate from each other and communicate with uplink port as well
Flow Control	Half duplex based on Back pressure; Full duplex based on PAUSE frame

Speed Limitation	Bandwidth management based on port input and output
Multicast Control	IGMPv1/2/3 and MLDv1/2 Snooping GMRP protocol registration Multicast address management, multicast VLAN, multicast routing port, static multicast address
DHCP	DHCP Snooping
Storm Suppression	Support unknown unicast, multicast , unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth adjustment and storm filtering
Security	Support User port+IP address+MAC address ACL based on IP MAC Support security properties of number of MAC address based on port
QOS	802.1p port queue priority algorithm Cos/Tos,QOS remark WRR(Weighted Round Robin), weighted priority rotation algorithm
Cable Sequence	Auto-MDIX; auto detection on straight-through and cross-over cable
Negotiation Mode	Port support auto negotiation function(self-negotiation transmission rate and duplex mode)
System maintenance	Upgrade package upload System log viewing WEB recovery factory configuration
PoE Function (only for PoE models)	Port switch Schedule arrangement, timing switch Voltage, current, power display System total power display and configuration PoE dog: support auto reset, timing reset and ip binding reset when device failed Port power configuration(AF.AT HiPoE.BT) Indication of over power Port PoE type configuration(48V/24V power
Network Management	WEB interface management CLI management based on Telnet、TFTIP、Console SNMP V1/V2/V3 management RMONV1/V2 management RMON management