OXION
SIMPLIFY YOUR BUSINESS NETWORK

Ai PoE Switch

Metal Case   Port Isolated   Compatible   Ai Watchdog   Lightnig Protection

OX-NPS526-G
24FE PoE + 2GE + 2SFP Uplink
250M Long Range PoE Switch With 24Port PoE

sales@i-oxion.com - support@i-oxion.com
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Ai-PoE Switch
24FE PoE+2GE+2GE +2SFP compo Uplink

OX-NPS526-G is 24*10/100+2GE+2SFP compo uplink unmanaged PoE switch independently developed by Oxion, which can automatically detect the compliance with IEEE802.3af/at | PoE +| HiPoE standard power receiving equipment and power supply, new integrated hipoe and poedog function, solve the power supply problem of high-power outdoor ball machine, high-power wireless AP and other high-power equipment, pogdog function will realize the automatic repair of PD end equipment when it accidentally crashes, solve the time-consuming and labor-consuming problem of human operation, and realize intelligent unattended. Long distance networking can be realized by connecting optical fiber lines through the optical port of SFP.

Port Performanace

- Provide 24*10 / 100 PoE RJ45 adaptive ports, all of which can realize line speed forwarding.
- Provide 2 gigabit RJ45 and 2 gigabit SFP compo uplink ports for high-speed uplink transmission.
- Each port supports MDI / mdix auto flip and duplex / rate self-negotiation.
- Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.

Special Function

- Hipoe: the 1&2 port outputs 60W to solve the power supply problem of high-power PD. It can connect large ball machine, wireless AP or intelligent door lock and other high-power PoE devices.
- Poedog: when PoE is started, it detects the status of PoE electrical equipment in real time; when the equipment side is abnormal, the switch actively sets the port and restores PoE power supply to realize unattended.

PoE Power Supply Function

- According to IEEE 802.3af/at PoE power supply standard, the maximum PoE output power of the whole machine is 250W, single port for the maximum PoE output power is 30W(1&2 port can be max 60W)
- Automatic identification of PoE equipment for power supply without damaging non PoE equipment

Three working modes

- N -- standard switching mode: all ports communicate freely, suitable for common data transmission environment.
- V - port isolation mode: the downlink ports are isolated from each other, which is suitable for the use scenarios of connecting wireless AP, suppressing network storm and improving network performance.
- C -- flow control mode: port flow balance control, prevent big data flow packet loss, ensure the efficient and stable operation of user network.

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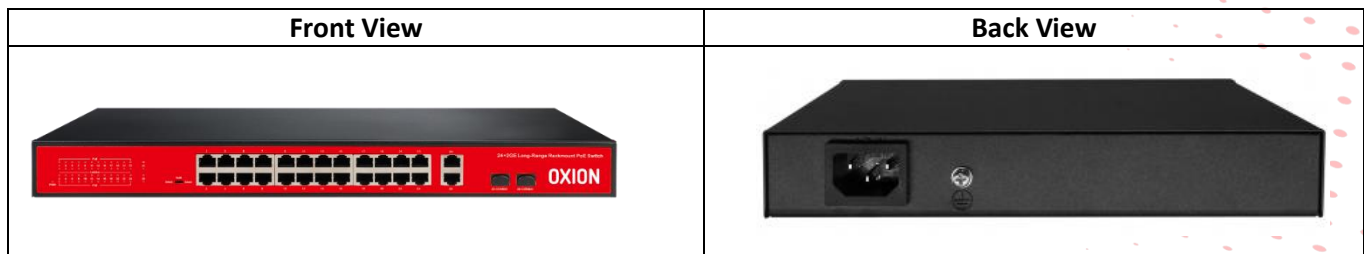## The equipment is stable and reliable

- 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.

Easy to use

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

Compleate set of accessories

- By default, the switch is equipped with an AC power cord
- User Manual
- Optional rack lug

Front View	Back View

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Model	OX-NPS526-G
Product	**24FE+2GE+2SFP PoE Switch**
Fixed Port	24*10/100 Base-TX PoE port（Data/Power） 2*10/100/1000Base-TX uplink RJ45 port(Data) 2*1000M compo SFP uplink Ports
PoE Ports	1-24 port supports PoE(1&2 port outputs HiPoE_60W)
Function	N:(Standard normal) V:(Port isolation) P:(Flow Control mode)
Network Protocol	IEEE 802.3 IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3x IEEE 802.3z 1000BASE-X IEEE 802.3af/at
PoE Standard	IEEE802.3af/at /PoE++/HiPoE
Port Specification	10/100/1000BaseT（X）Auto
Transmission Mode	Store and Forward（full wirespeed）
Bandwidth	16Gbps
Packet Forwarding	9.21Mpps
MAC Address	8K
Buffer	4.1M
Transmission Distance	10BASE-T ： Cat3,4,5 UTP(≤250 meter) 100BASE-TX ： Cat5 or later UTP(150 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)
Power Pin	Default 1/2(+)，3/6(-)；Optional oder 4/5(+)，7/8(-)
Single port power	Average 15.4W；MAX 30W（First Port 60W Power)
Total power/Input voltage	MAX 250W （AC100-240V 50/60HZ）

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Watt	Standby Power Consumption：≤8W；
LED Indicator	POWER:Power LED(optional over-power LED) 19 20:(SFP LED) Uplink:(Link LED=10/100M Link、1000M=Gigabit Link) Port:(Orange=PoE LED+Green=Link LED) S: (super mode LED)
Power Input	Built-in power AC：100～240V 50-60Hz 1A
Operating Temperature/Humidity	-10～+55°C；5%～90% RH Non coagulation
Storage Temperature/Humidity	-40～+75°C；5%～95% RH Non coagulation
Product size/Packing size （L*W*H）	440mm*290mm*45mm 515mm*375mm*95mm
N.W/G.W（kg）	3.5kg/4.3kg
Installation	Rack-mount (optional machine hanger spare parts)
Lighting protection level	3KV 8/20us； IP30
Certificate	CE mark, commercial；CE/LVD EN60950； FCC Part 15 Class B；RoHS

Aplication