

OXION

SIMPLIFY YOUR BUSINESS NETWORK

Data Sheet

Ai PoE Switch



Metal Case



Port Isolated



Compatible



Ai Watchdog



Lightnig Protection

OX-NPS518-G

16FE PoE + 1GE + 1SFP Compo Uplink
250M Long Range PoE Switch With 16Port PoE

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Ai-PoE Switch

16FE PoE+1GE+1GE Compo SFP Uplink



OX-NPS518-G is 16*10/100+1GE+1SFP 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 Performance

- Provide 16*10 / 100 PoE RJ45 adaptive ports, all of which can realize line speed forwarding.
- Provide 1 gigabit RJ45 and 1Compo gigabit SFP 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 first 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 200W, single port for the maximum PoE output power is 30W(First 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.

The equipment is stable and reliable

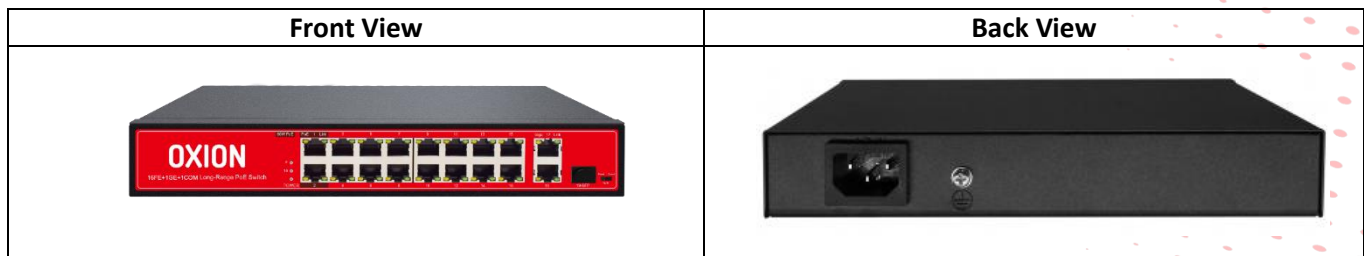
- OXION independent research and development of power supply, high redundancy design, to provide long-term stable PoE power output.
- The equipment meets the national CCC standard, fully meets the safety requirements, and is safe and reliable.

Easy to use

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

Complete set of accessories

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



Ai-PoE Switch

16FE PoE+1GE+1GE Compo SFP Uplink



Model	OX-NPS518-G
Product	Hybrid Gigabit 16FE+1 +1 compo Ai PoE Switch
Fixed Port	16*10/100 Base-TX PoE port (Data/Power) 2*10/100/1000Base-TX uplink RJ45 port(Data) 1*1000M SFP
PoE Ports	1-16 port supports PoE(optional first 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	20Gbps
Packet Forwarding	6.62Mpps
MAC Address	2K
Buffer	2.5M
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 300W (AC100-240V 50/60HZ)

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)	295mm*195mm*45mm 410mm*275mm*95mm
N.W/G.W (kg)	1.6kg/2.4kg
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

Application

