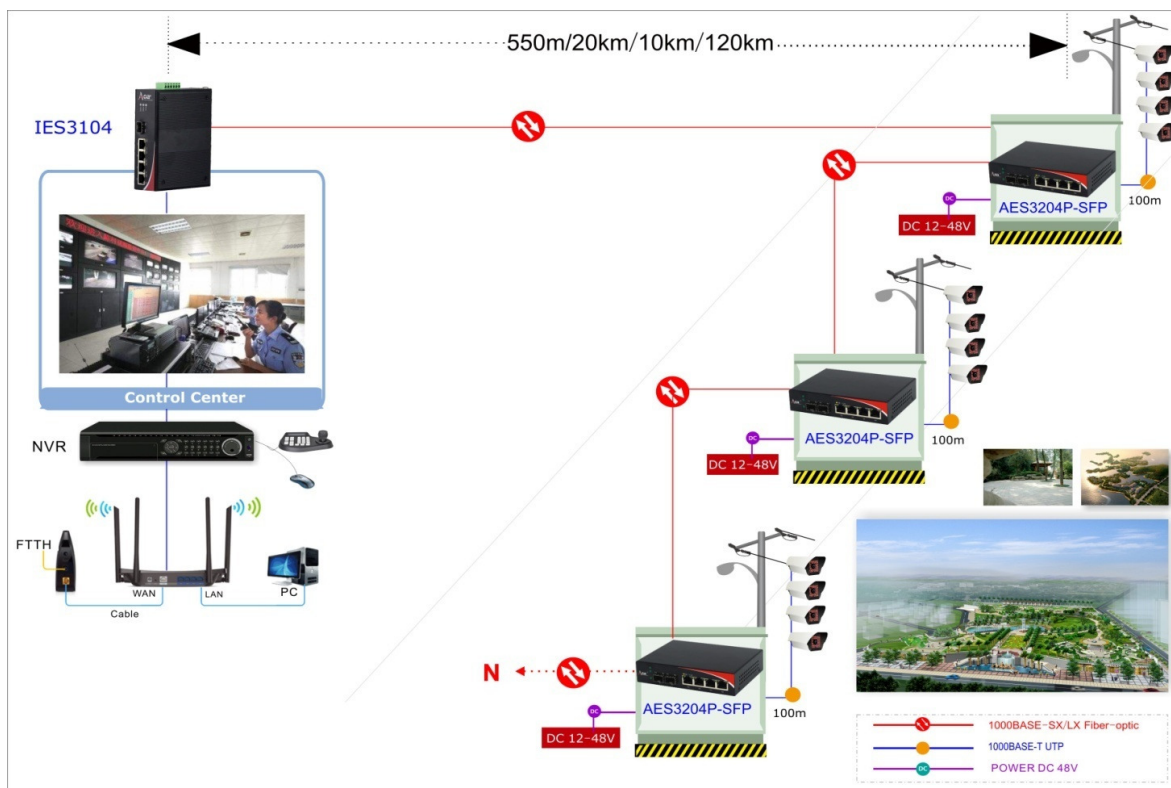| Item	POE Switch
Model No.	AES3104P-M05
Description	4x10/100/1000Base-T POE to 1x1000Base-X

Overview

The AES3104P POE Switch is the ideal solution for powering remote devices such as IP phones, video cameras, wireless access points, alarms, traffic controllers, sensors and tracking devices, which are installed 100m far from a Power over Ethernet switch. In addition to transmitting data, the twisted-pair port also injects power down the cable, allowing a remote Power over Ethernet Device to operate without the need of any additional power source. All Power over Ethernet Powered Devices (IEEE 802.3af/at complaint) are supported, as the Power Sourcing Equipment (PSE) device can deliver a full 15.4W / 30W of power to the remote PD device.

The AES3104P features 1 x 1000Base-X and 4 x 10/100/1000Base-T twisted-pair port. The twisted-pair port has 4 x RJ-45 connector with a maximum operating distance of 100m.
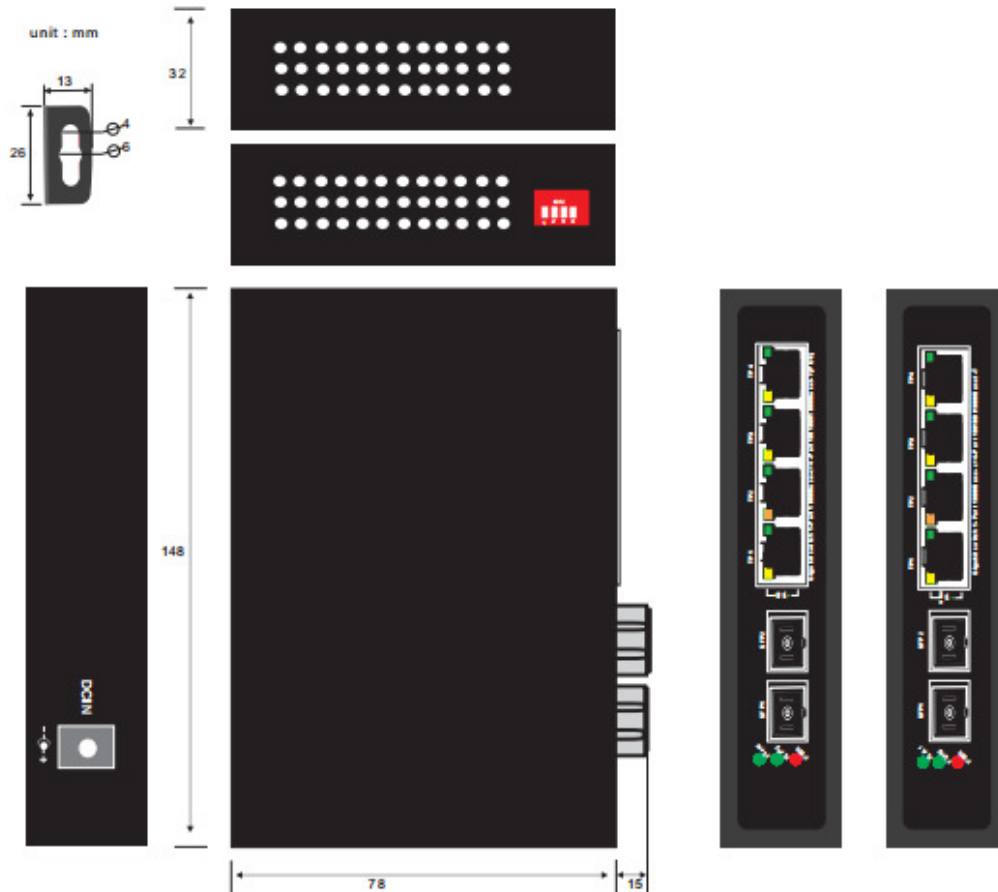
AOA Technology Co.,Limited.
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Features

- Provide 4 x 10/100/1000Base-T
- 1 x 1000Base-X for Daisy-Chain
- IEEE803.3af/at compliant
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Store-and-forward
- Max packet size: 10K bytes
- Wide-range power design (48~56VDC)
- Provide EFT protection for Power line
- Support Ethernet ESD protection
- Desk-top Installation
- Low power consumption

Application

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Structure

DIP Switch (As request only)

DIP Switch Define	Dip1	Dip2	Dip3	Dip4
Default (10/100/1000M Auto-negotiation)	OFF	OFF	OFF	N/C
VLAN Logical Isolation	ON	OFF	OFF	
VLAN Physical Isolation	OFF	ON	OFF	
Force 10M (150 meters)	ON	ON	OFF	
1+1 Fiber	OFF	OFF	ON	
1+1 Fiber + VLAN Logical isolation	ON	OFF	ON	
1+1 Fiber + VLAN Physical isolation	OFF	ON	ON	
1+1 Fiber + Force 10M (150 meters)	ON	ON	ON	

Note: The 1+1 Fiber function takes effect in using our 4 ports or 8 ports Industrial switch at both side; the one fiber device doesn't support this function.

Technical Specifications

Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-TX IEEE 802.3z 1000Base-FX IEEE802.3x Flow control and back pressure IEEE802.1d Spanning Tree IEEE802.3af/at POE
Performance	Processing Type: Store and Forward Back Bandwidth: 12Gbps MAC Address Size: 1Kbit Packet Buffer Size: 1Mbit Time Delay: <10us Frame: 10Kbytes
Copper Port	Data Rate: 10/100/1000M Connector: RJ45 x 4 Distance: 100m
Fiber Port	Data Rate: 1000Base-X Connector: SC Distance: 550m
LED indicators	PWR: ON=Power Connected FL/A1:ON=Fiber 1 Connected; Active=Data Transmitting FL/A2:ON=Fiber 2 Connected; Active=Data Transmitting L/A: ON=Copper Connected; Active= Data Transmitting POE: ON=Power Working; Off=No Power
Power	Input Voltage: 48~56VDC Power Consumption: ≦7W PoE Budget: 15.4Wx4=62W(PoE) Connector: DC Socket
Environment	Operating temperature : -10~65ºC Storage Temperature: -40~85ºC Relative Humidity: 5-95% (no condensation)
Physical Characteristics	Installation: Desk-top Dimension: 148*78*32mm Weight: 0.64kg

Order Information

Model No.	Description
AES3104P-M05	10/100/1000M 4-POE, MMF 850nm SC 550m;Ext.AC-DC 65W