

AES2404N Series

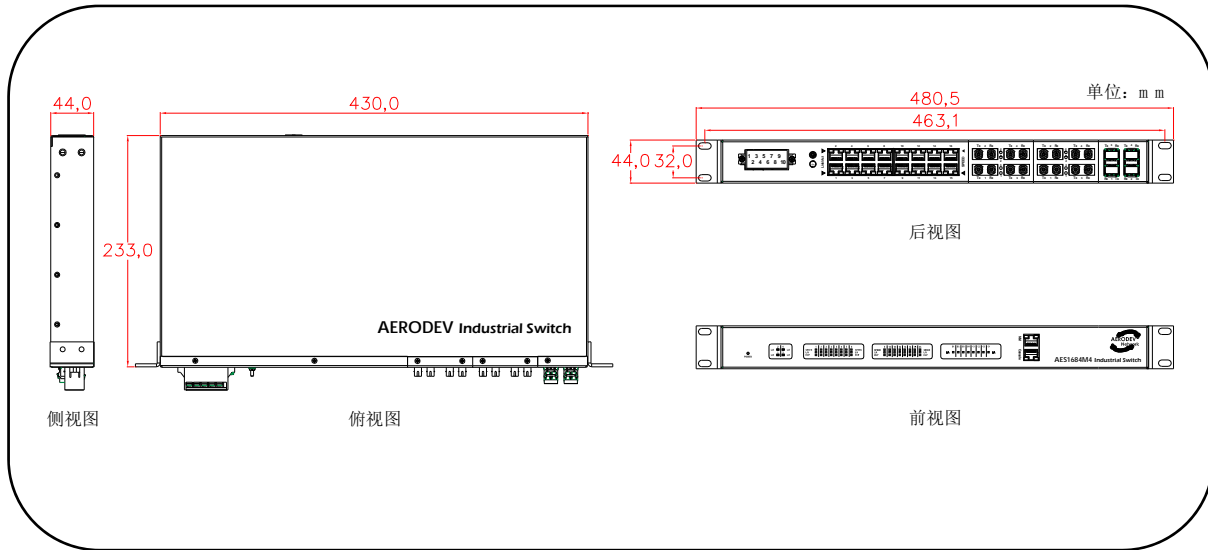


- ✧ Non-managed Industrial Ethernet Switch;
- ✧ Support 24 electrical Ports、4 Optical Ports;
- ✧ High efficiency radiating fan less design、Support power redundancy;
- ✧ With excellent electromagnetic compatibility, stable and reliable;
- ✧ Applicable to industries for electric power, military, rail transportation, industrial automation and etc.

Product	
Function Description	Managed Industrial Ethernet Switch
Network topology	Chain/star/ring
switch type	layer 2 switching , all ports support line speed forwarding
Port type	24 10Base-T/100Base-TX Half duplex/ full duplex RJ45, speed and duplex auto negotiation; MDI/MDI-X Adaptive; 4 100Base-FX full duplex Optical Port (SC/ST) or 1000Base-X full duplex Optical Port (LC);
Cable	
Twisted-pair	UTP / STP 100m
Optical Fiber	SMF (15km/40km/80km) MMF (2km)
Power Requirements	
Input power	220V DC
Power consumption	<20W
Performance	
Switch capacity	12.8Gbps at most
packet forwarding rate	19.048Mpps at most
Port packet forwarding rate	0.14880952Mpps (100Base-Tx/100Base-FX) ; 0.014880952Mpps (10Base-T);
Cache capacity	3Mbit
Address table capacity	8K
Address learning rate	148809pps/1488095pps
Panel indicator	
Diagnostic	LEDs (power, link status, port rate)
Environmental conditions	
Operating temperature	-40℃~+85℃
Storage/transport temperature	-40℃~+85℃
Relative humidity	10~90%, Non condensing

Mechanical structure	
Dimensions (W * H * D)	430mm x44 mm x233mm
Installation	19 inch , 1U
MTBF	
>20 years (GJB/Z 299C-2006:Gb25)	
Guarantee period	
5 years	
EMC level	
Electrostatic discharge immunity	4 level [GB/T 17626.2-2006]
Electrical fast transient burst immunity	4 level [GB/T 17626.4-2008]
Damped oscillatory waves immunity	3 level [GB/T 17626.12-1998]
RF electromagnetic field immunity	3 level [GB/T 17626.3-2006]
Surge (impact) immunity	4 level [GB/T 17626.5-2008]
Power frequency magnetic field immunity	5 level [GB/T 17626.8-2006]
The pulse magnetic field immunity	5 level [GB/T 17626.9-1998]
Conduction disturbance induced by radio frequency fields immunity	3 level [GB/T 17626.6-2008]
Voltage sags and short interruptions immunity	[IEC 61000-4-29:2000] Voltage sags 70% 1s; Voltage sags 40% 500ms; voltage interrupt 0 100ms
Radiation emission	[GB 9254-1998] distance of Measurement 3m; band 30~230MHz Limit of disturbance 50dBuV/m; band 230~1000MHz Limit of disturbance 57dBuV/m

Mounting dimensions



Typical configuration

Product model	Product description
AES2404N1-D1D1-P6P6-T2	24 10Base-T/100Base-TX RJ45 ports 4 100Base-FX Optical Ports (Multimode 2km, SC interface) 2 220VDC powers
AES2404N1-D0D1-P0P6-T2	24 10Base-T/100Base-TX RJ45 ports 2 100Base-FX Optical Ports (Multimode 2km, SC interface) 1 220VDC power
AES2404N3-P0P6-T2	24 10Base-T/100Base-TX RJ45 ports 4 1000Base-X SFP interface 1 220VDC power