

AES2404M Series



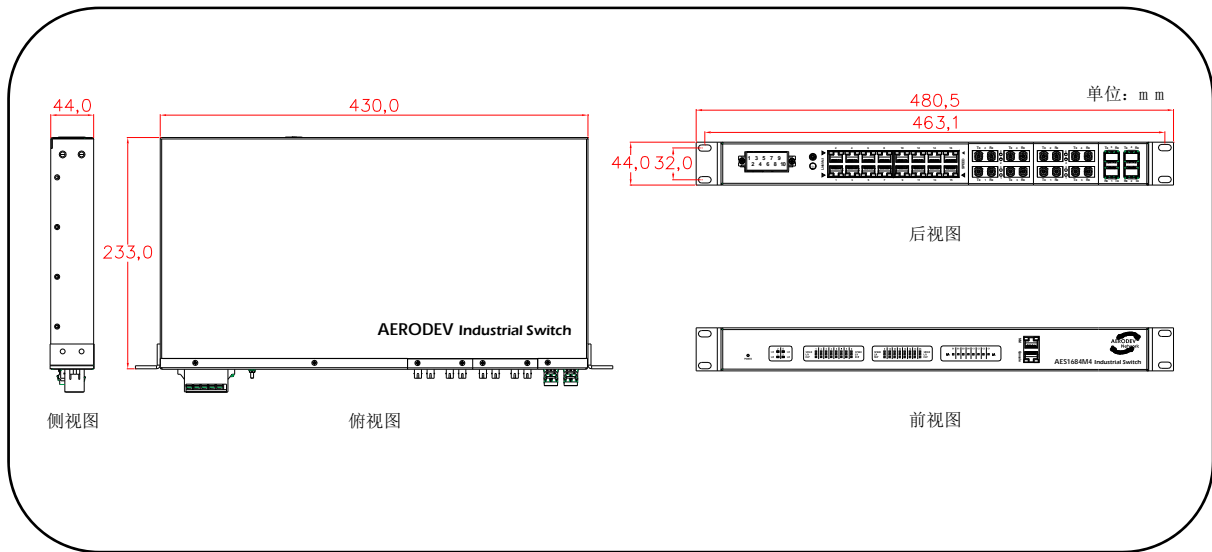
- ✧ Managed Industrial Ethernet Switch;
- ✧ Support 24 electrical Ports、4 Optical Ports;
- ✧ High efficiency radiating fan less design、Support power redundancy;
- ✧ Support single ring, polycyclic networking;
- ✧ Recovery time of single link failure is less than 50ms;
- ✧ With excellent electromagnetic compatibility, stable and reliable;
- ✧ Applicable to industries for electric power, military, rail transportation, industrial automation and etc.

Product		Address table capacity	8K
Function Description	Managed Industrial Ethernet Switch	Address learning rate	148809pps/1488095pps
Network topology	Chain/star/ring	Function	
switch type	layer 2 switching , all ports support line speed forwarding	Flow Control	Support IEEE802.3X flow control (Full-duplex)
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); 1 Management port (RJ45); 1 Serial port (RJ45)	VLAN	Support IEEE802.1Q VLAN
Cable		Storm Control	Support broadcast storm control
Twisted-pair	UTP / STP 100m	Port isolation	Support the isolation function based on port
Optical Fiber	SMF (15km/40km/80km) MMF (2km)	QoS	Ethernet frame type based Flow Based Priority Based Support 4 priority queues per port Queue schedule mode: support SP、WRR、SP and WRR mixed
Power Requirements		Port rate	Support the port ingress rate limiting Support the output queue rate limiting
Input power	220V DC	ACL	Support ACL for L2,L3,L4
Power consumption	<20W	Diagnosis	Support virtual cable test
Performance		Statistics	Support port snapshot, Port Statistics
Switch capacity	12.8Gbps at most	Spanning Tree Protocol	Support RSTP (IEEE802.1W) Compatible STP (IEEE802.1D)
packet forwarding rate	19.048Mpps at most	Ring protection protocol	Support single ring, polycyclic networking; Single link failure recovery time is less than 50ms;
Port packet forwarding rate	0.14880952Mpps (100Base-Tx/100Base-FX) ; 0.014880952Mpps (10Base-T);		
Cache capacity	3Mbit		

SNMP	Support SNMP V1/V2C/V3, MIBII、 Bridge MIB、EtherLike MIB
SNTTP	Support SNTTP
Multicast management	Support for static multicast address management Support for WEB based network management Support for SNMP based network management Support for through the business data export management
Panel indicator	
Diagnostic	LEDs (power, link status, port rate)
Environmental conditions	
Operating temperature	-40°C~+85°C
Storage/transp ort temperature	-40°C~+85°C
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 diacharge immunity	4 level[GB/T 17626. 2-2006]

Electrical fast transien t burst immunity	4 level [GB/T 17626.4-2008]
Damped oscill atory waves immunity	3 level [GB/T 17626.12-1998]
RF electromagneti c 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 magneti c field immunity	5 level [GB/T 17626.9-1998]
Conduction disturbance i nduced by radio frequency fields immuni ty	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
AES2404M1-D1D1-P6P6-T2	24 10Base-T/100Base-TX RJ45 ports 4 100Base-FX Optical Ports (Multimode 2km, SC interface) 2 220VDC powers
AES2404M1-D0D1-P0P6-T2	24 10Base-T/100Base-TX RJ45 ports 2 100Base-FX Optical Ports (Multimode 2km, SC interface) 1 220VDC power
AES2404M3-P0P6-T2	24 10Base-T/100Base-TX RJ45 ports 4 1000Base-X SFP interface 1 220VDC power