AES0602M Series

- ✧ Managed Industrial Ethernet Switch;

- ✧ Support 6 electrical Ports、2 Optical Ports;

- ✧ High efficiency radiating fan less design;

- ✧ 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.
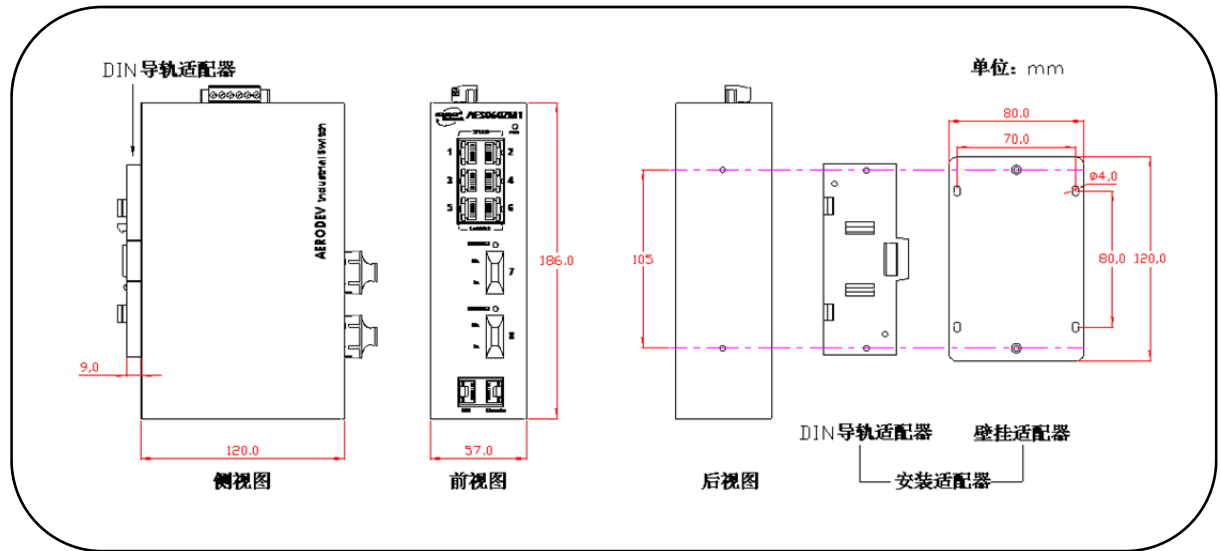
Product	
Function Description	Managed Industrial Ethernet Switch
Network topology	Chain/star/ring
switch type	layer 2 switching , all ports support line speed forwarding
Port type	6 10Base-T/100Base-TX Half duplex/ full duplex RJ45, speed and duplex auto negotiation; MDI/MDI-X Adaptive; 2 100Base-FX full duplex Optical Port (SC/ST); 1 Management port (RJ45);1 Serial port (RJ45)
Cable	
Twisted-pair	UTP / STP 100m
Optical Fiber	SMF(10km/40km/80km) MMF(2km)
Power Requirements	
Input power	24V DC
Power consumption	<20W
Performance	
Switch capacity	5.2Gbps at most
packet forwarding rate	7.738Mpps at most
Port packet forwarding rate	0.14880952Mpps （100Base-Tx/100Base-FX）; 0.014880952Mpps（10Base-T）;

Cache capacity	1Mbit
Address table capacity	8K
Address learning rate	148809pps/1488095pps
Function	
Flow Control	Support IEEE802.3X flow control （Full-duplex）
VLAN	Support IEEE802.1Q VLAN
Storm Control	Support broadcast storm control
Port isolation	Support the isolation function based on port
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
Port rate	Support the port ingress rate limiting Support the output queue rate limiting
ACL	Support ACL for L2,L3,L4
Diagnosis	Support virtual cable test
Statistics	Support port snapshot, Port Statistics
Spanning Tree Protocol	Support RSTP(EEE802.1W) Compatible STP(EEE802.1D)

Ring protection protocol	Support single ring, polycyclic net working; Single link failure recovery time is less than 50ms;
SNMP	Support SNMP V1/V2C/V3、MIBII、Bridge MIB、EtherLike MIB
SNTP	Support SNTP
Multicast	Support for static multicast address management
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	-10℃～+70℃
Storage/transport temperature	-40℃～+85℃
Relative humidity	10～90%, Non condensing
Mechanical structure	
Dimensions (W * H * D)	57x186 x120
Installation	Rail Din
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]
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
AES0602M1-D1D1-P1-T2	24 10Base-T/100Base-TX RJ45 ports
	4 100Base-FX Optical Ports（Multimode 2km，SC interface）
	2 24VDC powers
AES0602M1-D0D0-P1-T2	8 10Base-T/100Base-TX RJ45 ports
	2 24VDC powers