

# IES-0008A (IP67/IP43)

8 10/100TX IP67/IP43 rated Industrial Switch

- EN50155 verification / E-mark certified
- Provides M12 connector with IP67 or 43 rated protection
- Wide Operating Temperature from -40°C to 75°C
- Wide range dual power inputs 12~72VDC



IP67 Rated



IP43 Rated

## OVERVIEW

Lantech IES-0008A (IP67/IP43) is an 8 10/100 Base-TX with M12-connector unmanaged industrial switch for IP67 or IP43 rated protection, which meets the high reliability requirements demanded by industrial rolling stock applications.

The IES-0008A (IP67/IP43) is designed to meet with critical network environment with IP67/43 enclosure and M12 connectors for protection against dust and water. IP67 model can be immersed 1 meter under water for 30 minutes long, so it is the best to place in the highly damp and moisture area in the train, vehicle or rail-side. Both have passed harsh

environmental testing to comply with Industrial EMI and Safety standards as well as stability testing such as Free fall, Shock, and Vibration. For a greater flexibility in application the IES-0008A (IP67/IP43) supports an extended operating temperature range from -40°C to 75°C.

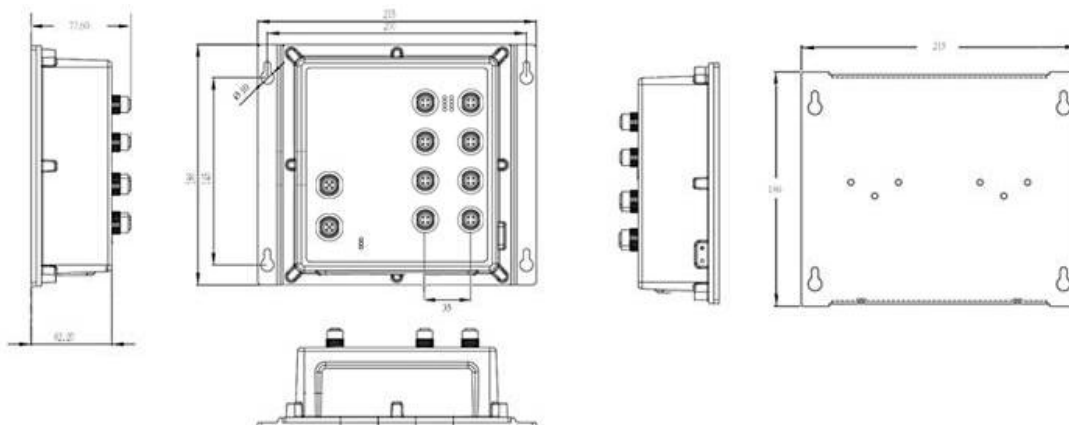
The wide range dual power input from 12V~72V fits with most of train/vehicle usage. With EN45545-2 Fire & Smoke, EN50155 verification and E-mark certification, the IES-0008A (IP67/IP43) is best for railway and vehicle applications.

## FEATURES & BENEFITS

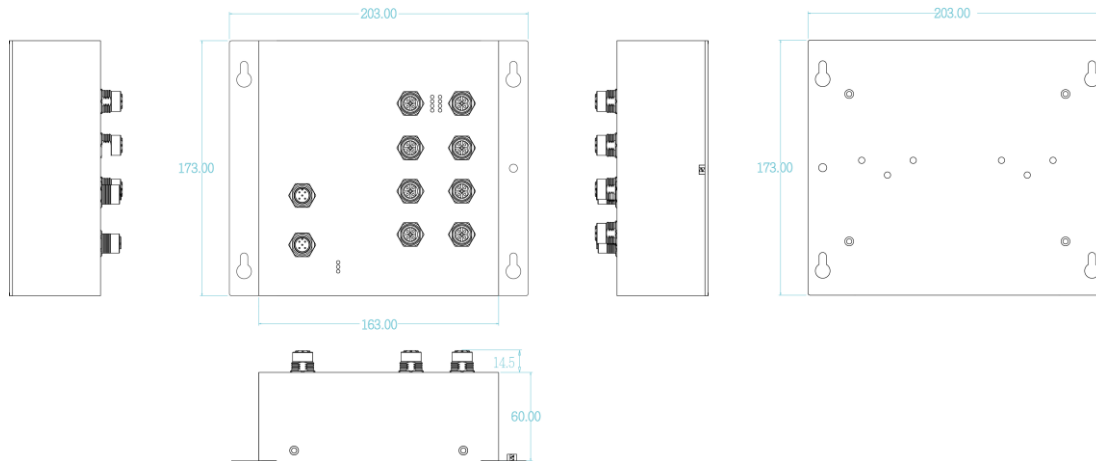
- 8 10/100TX Unmanaged Industrial Switch with M12 connectors and IP67/43 rated protection
- Dual Power Design with wide DC12V~72V input
- Back-plane (Switching Fabric): 1.6 Gbps
- 8K MAC address table
- Wide Operating Temperature (-40°C ~75°C)
- Din rail\*\* and wall mount design
- EN45545-2 Fire & Smoke, EN50155 and EN61373 shock/vibration verification
- E-mark certified

## DIMENSIONS (unit=mm)

IP67 model



IP43 model



SPECIFICATIONS

Hardware Specification			
IEEE Standard	IEEE802.3 10BASE-T Ethernet IEEE802.3u 100BASE-T Ethernet IEEE802.3x Flow Control and Back Pressure	Aluminum case, IP-43 202mm(W)x172mm(H)x62.5mm(D)	
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port	Weight	IP67:1.4kgs ; IP43: 1.3gs
Mac Address	8K MAC address table	Installation	Din Rail**, Wall Mount Design
Connector	10/100T: 8 x M12, 4-pole D-coded, Female with auto MDI/MDI-X function Power connector: 1 x M12, 5-pole A-coded, Male	EMC	FCC Class A, CE EN61000-4-2 (ESD), CE EN61000-4-3 (RS), CE EN-61000-4-4 (EFT), CE EN61000-4-5 (Surge), CE EN61000-4-6 (CS), CE EN61000-4-8 (Magnetic Field), CE EN55022 Class A, CE EN55024
Protocol	CSMA/CD	Stability Testing	EN61373 (Shock and Vibration)
LED	Per unit: Power 1 (Green), Power 2 (Green), Ethernet: Link/Activity (Green)	Certificates & Report	EN50155/EN50121-3-2/EN50121-4 verification EN45545-2 R24/R25 (EN ISO 4589-2, EN ISO 5659-2, NF X70-100-1 & 2) Fire & Smoke verification E-Mark E4 Certificate
Power Supply	Dual power input DC 9.5V ~90V	Warranty	5 years
Power Consumption	10Watts		*Pending **Optional
Operating Humidity	5% to 95% (Non-condensing)		
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)		
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)		
Case Dimension	Aluminum case, IP-67, 215mm(W)x185mm(H)x71mm(D)		

ORDERING INFORMATION

All model packages include M12 caps and wall mount bracket. All standard models are non-coating, optional coating models are available with -C model name.

- **IES-0008A-67.....P/N: 8360-552**  
8 10/100TX IP67 rated Industrial Switch w/M12 connectors; dual 9.5~90V input; -40~75C
- **IES-0008A-43.....P/N: 8360-5521**  
8 10/100TX IP43 rated Industrial Switch w/M12 connectors; dual 9.5~90V input; -40~75C

OPTIONAL ACCESSORIES

M23 / M12 Connector & Cable

- **ECON120005PF** 5 Pin M12 Power Female Connector
- **ECONM12-5P(F)70CM CABLE** 5 Pin M12 Power Female 90C angle Connector+ 70 CM Cable
- **ECAB124030MJS** 4 Pin M12 RJ45 Male 3 Meters; STP Cable

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