IES-0008A (IP67/IP54)

8 10/100TX IP67/IP54 rated EN50155 Unmanaged Ethernet Switch

- *EN50155 verification / E-mark certified*
- *Provides M12 connector with IP67 or IP54 rated protection*
- *Wide Operating Temperature from -40℃ to 75℃*
- *Wide range dual power inputs 12~90VDC*

IP67 Rated

IP54 Rated

OVERVIEW

Lantech IES-0008A (IP67/IP54) is an 8 10/100 Base-TX with M12-connctor unmanaged industrial Ethernet switch for IP67 or IP54 rated protection, which meets the high reliability requirements demanded by industrial rolling stock applications.

The IES-0008A (IP67/IP54) is designed to meet with critical network environment with IP67/54 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/IP54) supports an extended operating temperature range from -40°C to 75°C.
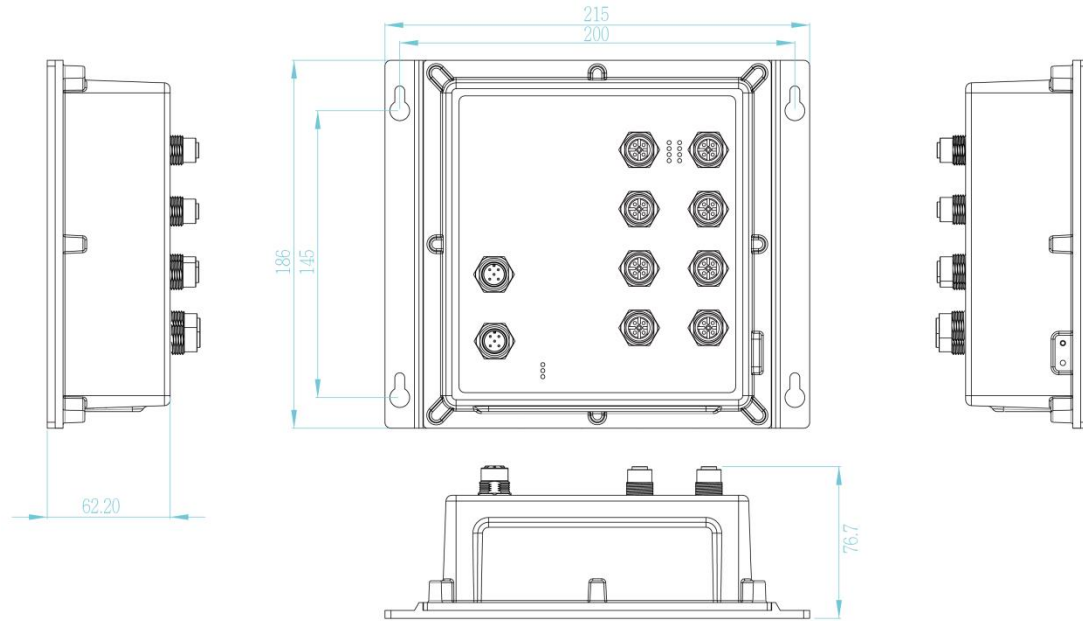
The wide range dual power input from 12V~72V fits with most of train/vehicle usage. With EN45545-2 Fire & Smoke, EN50155 verification and E-mark certification, the IES-0008A (IP67/IP54) is best for railway and vehicle applications.
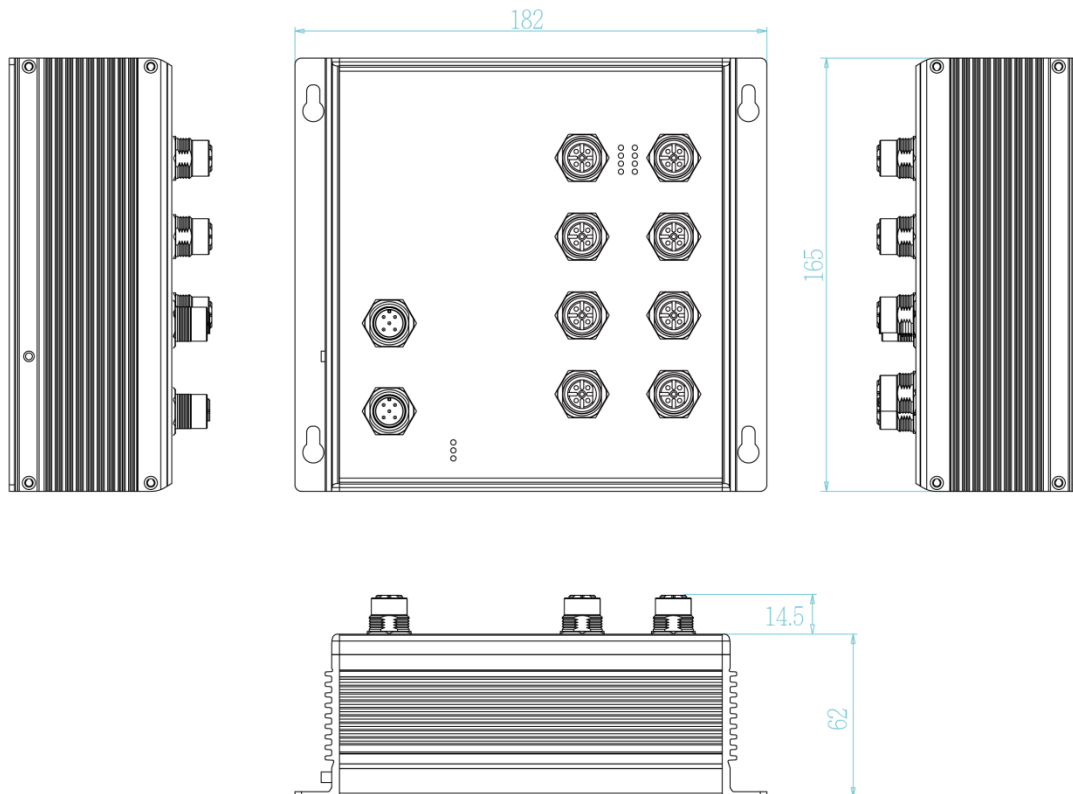
FEATURES & BENEFITS

- **8 10/100TX Unmanaged Industrial Ethernet Switch with M12 connectors and IP67/IP54 rated protection**
- **Dual Power Design with wide DC12V~90V 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

IP54 model

SPECIFICATIONS

Hardware Specification

IEEE Standard	IEEE802.3 10BASE-T Ethernet IEEE802.3u 100BASE-T Ethernet IEEE802.3x Flow Control and Back Pressure
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port
Mac Address	8K MAC address table
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
LED	Per unit: Power 1 (Green), Power 2 (Green), Ethernet: Link/Activity (Green)
Power Supply	Dual power inputs DC 12V ~90V
Power Consumption	10Watts
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)x186mm(H)x76.7mm(D) Aluminum case, IP-54 182mm(W)x165mm(H)x76.5mm(D)
Weight	IP67:1.4kgs ; IP54: 1.1kgs
Installation	Din Rail**, Wall Mount Design
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
Stability Testing	EN61373 (Shock and Vibration)
Certificates & Report	EN50155/EN50121-3-2/EN50121-4 verification EN45545-2 R13/R22/R23/R24/R25 (EN ISO 4589-2, EN ISO 5659-2, NF X70-100-1 & 2) Fire & Smoke verification E-Mark E4 Certificate
Warranty	5 years

*Pending
**Optional

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 EN50155 M12 IP67 L2+ Unmanaged Ethernet Switch; dual 12~90V input; -40~75C

■ **IES-0008A-54…….………...…….........P/N: 8360-5521**
8 10/100TX EN50155 M12 IP54 L2+ Unmanaged Ethernet Switch; dual 12~90V input; -40~75C

OPTIONAL ACCESSORIES

M23 / M12 Connector & Cable

■ ECONM12-05A(F)-C-180   M12 5Pin (Female) A-coded 180 Degree Crimp Type 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