

IES-0208GF (IP67/IP43)

8 10/100TX + 2 1000FX Industrial Switch

- EN50155/ E-mark* certified and ISO 7637* compliance
- Provides M12 connector with IP67 or 43 rated protection
- Wide Operating Temperature from -40°C to 75°C
- Wide range dual power inputs 9.5~56VDC
- 110V single power input 77~137.5V for 110V model



IP 67 Rated



IP43 Rated

OVERVIEW

Lantech IES-0208GF (IP67/IP43) is an 8 10/100 Base-TX+2 GigaFX 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-0208GF (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-0208GF (IP67/IP43) supports an extended operating temperature range from -40°C to 75°C.

The wide range dual power input from 9.5V~56V fits with most of train/vehicle usage. The 110V model offers dual single power supply that can be powered from 77V to 137.5VDC.

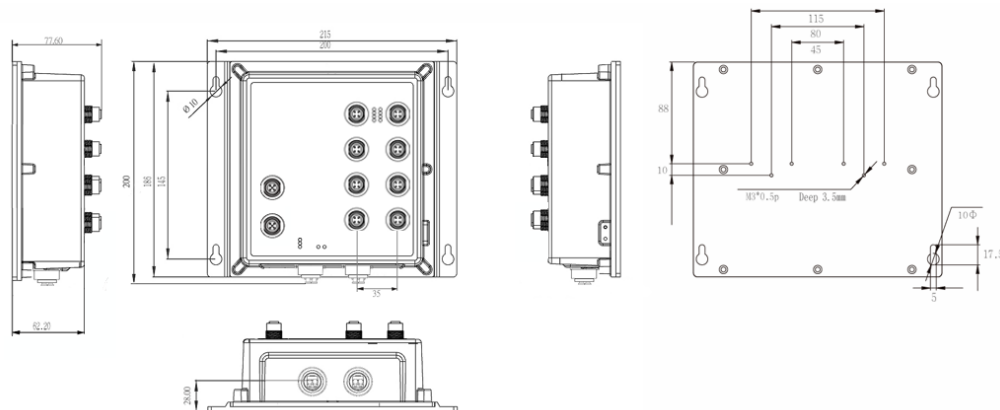
With EN45545-2 Fire & Smoke*, E-mark*, and EN50155 certification, the IES-0208GF (IP67/IP43) is best for railway and vehicle applications. Special design to meet with ISO 7637* standard that is able to cope with cranking voltage and load dump test is ideal for truck or bus applications.

FEATURES & BENEFITS

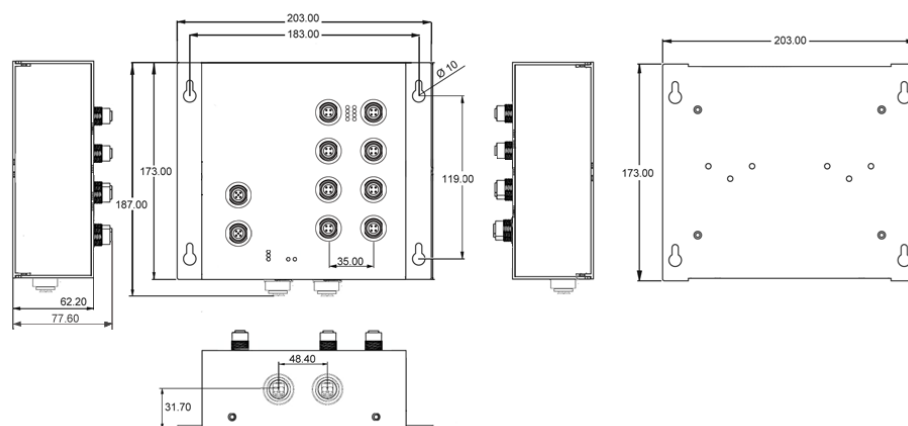
- 8 10/100TX+2GigaFX Unmanaged Industrial Switch with M12 connectors and IP67/43 rated protection
- Dual Power Design with wide DC9.5V~56V input
- 110V model support dual 77~137.5VDC power
- Back-plane (Switching Fabric): 5.6Gbps
- 8K MAC address table
- Wide Operating Temperature (-40°C ~75°C)
- Din rail and wall mount design
- ISO 7637* compliant
- EN45545-2 Fire & Smoke*, E-mark*, EN50155 and EN61373 shock/vibration certified

DIMENSIONS (unit=mm)

IP67 model



IP43 model



SPECIFICATIONS

Hardware Specification

IEEE Standard	IEEE802.3 10BASE-T Ethernet IEEE802.3u 100BASE-T Ethernet IEEE802.3z 1000Base-X Ethernet IEEE802.3x Flow Control and Back Pressure
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Fiber 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 Giga-FX : 2 x LC connector for single mode or multi mode type fiber cable Power connector: 1 x M12, 5-pole A-coded, Male
Protocol	CSMA/CD
LED	Per unit: Power 1 (Green), Power 2 (Green), Ethernet: Link/Activity (Green) GigaFX: Link/Activity (Green)
Power Supply	Dual power DC 9.5V ~56V 110V model : 77~137.5VDC dual input
Power Consumption	10W at 12/24/48V input 13.5W at 110V input
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) Aluminum case, IP-43 202mm(W)x172mm(H)x62.5mm(D)
Weight	1.4kgs (IP67); 1.2kgs(IP43)
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 EN61000-6-2, CE EN61000-6-4
Stability Testing	IEC61373 (Shock), EN61373 (Shock and Vibration)
Certificates & report	EN50155/EN50121-3-2/EN50121-4 Certificate ISO 7637 Report* EN45545-2 R24 (EN ISO 4589-2, EN ISO 5659-2, NF X70-100-1 & 2) Fire & Smoke Certificate 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-0208GF-SX-67.....P/N: 8361-544**
8 10/100TX + 2 GigaSX 500M IP67 rated Industrial Switch w/M12 connectors; dual 9.5~56V input; -40~75C
- **IES-0208GF-SX-43.....P/N: 8361-5441**
8 10/100TX + 2 GigaSX 500M IP43 rated Industrial Switch w/M12 connectors; dual 9.5~56V input; -40~75C
- **IES-0208GF-LX-67.....P/N: 8361-545**
8 10/100TX + 2 GigaLX 10KM IP67 rated Industrial Switch w/M12 connectors; dual 9.5~56V input; -40~75C
- **IES-0208GF-LX-43.....P/N: 8361-5451**
8 10/100TX + 2 GigaLX 10KM IP43 rated Industrial Switch w/M12 connectors; dual 9.5~56V input; -40~75C
- **IES-0208GF-SX-67-110V.....P/N: 8361-546**
8 10/100TX + 2 GigaSX 500M IP67 rated Industrial Switch w/M12 connectors; dual 77~137.5V input; -40~75C
- **IES-0208GF-SX-43-110V.....P/N: 8361-5461**
8 10/100TX + 2 GigaSX 500M IP43 rated Industrial Switch w/M12 connectors; dual 77~137.5V input; -40~75C
- **IES-0208GF-LX-67-110V.....P/N: 8361-547**
8 10/100TX + 2 GigaLX 10KM IP67 rated Industrial Switch w/M12 connectors; dual 77~137.5V input; -40~75C
- **IES-0208GF-LX-43-110V.....P/N: 8361-5471**
8 10/100TX + 2 GigaLX 10KM IP43 rated Industrial Switch w/M12 connectors; dual 77~137.5V input; -40~75C

OPTIONAL ACCESSORIES

M12 Connector & Cable

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

Lantech Communications Global Inc.

www.lantechcom.tw
info@lantechcom.tw

© 2014 Copyright Lantech Communications Global Inc. all rights reserved.
The revise authority rights of product specifications belong to Lantech Communications Global Inc.
Lantech may make changes to specification and product descriptions at anytime, without notice.