

## **Lantech IPES-0208F (IP67/IP43)**

8 10/100TX + 2 100FX w/ 8 PoE at/af Industrial Unmanaged Switch

EN50155/ E-Mark certificate and ISO 7637 compliance

Provides M12 connector with IP67 / 43 rated protection

IEEE802.3at/af up to 30W PoE output

12V power input boost to 48V output

Optional 72V input steps down to 48V output for IEEE 802.3at/af max.80W

Wide Operating Temperature from -40°C to 75°C

Wide range dual power inputs

Lantech IPES-0208F (IP67/IP43) is an 8 10/100 Base-TX+2 100M FX w/8 PoE at/af injectors with M12-connctor unmanaged industrial switch for IP67 or IP43 rated protection, which meets the high reliability requirements demanded by industrial rolling stock applications.

The IPES-0208F (IP67/IP43) supports IEEE802.3at/af standard which can feed HI-power up to 30W at each PoE port for big power consumption devices like PTZ IP camera, High power wireless AP etc. The IPES-0208F is able to take 12/24V input and boost to 48V output for PoE feeding in vehicle use with IEEE802.3at/af standard up to 30W per PoE port with maximum 80W output. 72V input model can feed 48V PoE at max 80W.

The IPES-0208F (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 IPES-0208F (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 72V model offers one single power supply that can be powered from 50.4V to 90VDC.

With EN45545-2 Fire & Smoke, E-mark, and EN50155 certification, the IPES-0208F (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.

