

## 6 Port Industrial Unmanaged Giga Ethernet Switch, Model IESG 104-2S

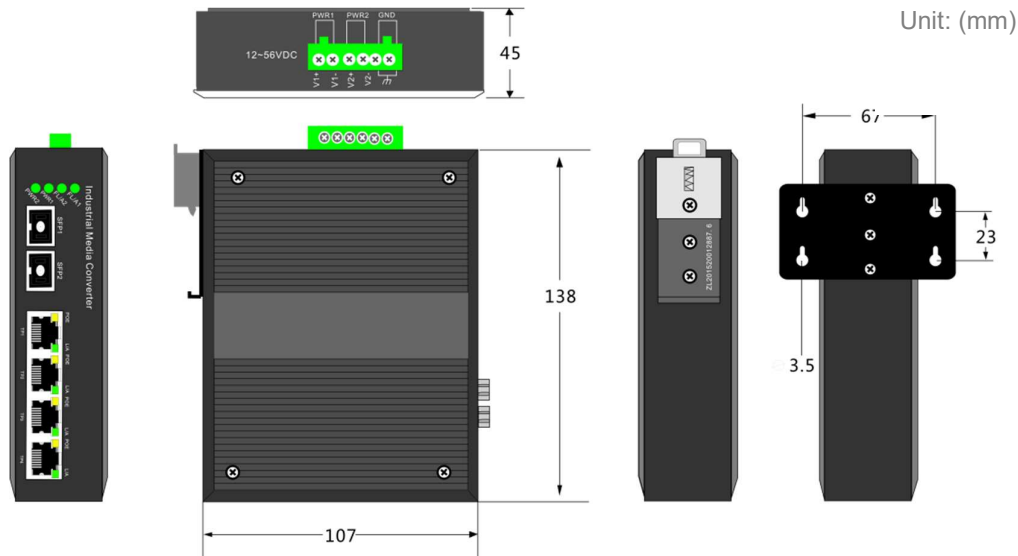


The IESG 104-2S series Unmanaged Industrial Switch is the ideal solution for carrying Ethernet ports to long distance via different networks. The IESG 104-2S features 2 x 1000Base-X SFP slots and 4 x 10/100/1000Base-TX twisted-pair port. The twisted-pair port has 4 x RJ-45 connector with a maximum operating distance of 100m. The IESG 104-2S provides two SFP slot for any MSA-complaint pluggable 1.25G SFP transceivers.

### Features

- 4 x 10/100/1000Base-TX Port to 2 x 1000Base-X SFP Slots
- RJ45 support auto MDI/MDI-X function
- Auto-negotiation speed, half/full-duplex
- Store-and-forward
- Max packet size: 10Kbytes
- Support wide operating temperature (-40°C to +85°C)
- Wide-range redundant power design (12 to 56VDC)
- Power polarity reverse protected
- Overload current resettable fuse present
- IP-40 protection
- Provides EFT protection for Power line
- Support Ethernet ESD protection
- DIN-Rail and Wall-Mounted Installation
- Low power consumption

### Dimensions



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## Technical Specifications

|                          |                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                | IEEE802.3 10BaseT<br>IEEE802.3u 100BaseT(X)<br>IEEE802.3ab 1000Base-T<br>IEEE802.3z 1000Base-SX/LX standards<br>IEEE802.3x Flow control and back pressure                         |
| Performance              | Processing Type : Store and Forward<br>Back Bandwidth : 12Gbps<br>MAC Address Size : 1024<br>Packet Buffer Size : 1 Mbit<br>Time Delay : <10us<br>Frame : 10Kbytes                |
| Copper Port              | Data Rate : 10/100/1000M<br>Connector : RJ45 x 4<br>Distance : 100m                                                                                                               |
| Fiber Port               | Data Rate : 1.25G<br>Connector : SFP<br>Distance : MMF=2km; SMF = 20/40/80/100/120km                                                                                              |
| LED indicators           | PWR1 : ON = Power Connected<br>PWR2 : ON = Power Connected<br>FL/A : ON = Fiber Connected; Active = Data Transmitting<br>TL/A : ON = Copper Connected; Active = Data Transmitting |
| Power                    | Input Voltage : 12~56 VDC, Redundant power inputs<br>Power Consumption : ≤7W<br>Protection : Overload Current; Reverse Polarity<br>Connector : Terminal Block                     |
| Environment              | Operating Temperature : -40°C to +85°C<br>Storage Temperature : -40°C ~ +95°C<br>Relative humidity : 5-95% (no condensation)                                                      |
| Physical Characteristics | Housing : IP40 Protection, Aluminum Alloy<br>Installation : DIN-rail mounting, wall mounting(with optional kit)<br>Dimension : 138*107*45mm<br>Weight : 0.48kg                    |

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#### Standards tested for

|                 |                                 |
|-----------------|---------------------------------|
| EMC             | CE                              |
| EMI             | FCC Part 15 CLASS A             |
| EMS             | IEC 61000-4-2 Level 4 (8K/15K)  |
|                 | IEC 61000-4-3 Level 3 (10V/m)   |
|                 | IEC 61000-4-4 Level 3 (1V/2V)   |
|                 | IEC 61000-4-5 Level 3 (4KV/2KV) |
|                 | IEC 61000-4-6 Level 3 (10V/m)   |
|                 | IEC 61000-4-8 Level 4 (30A/m)   |
| Shock           | IEC 60068-2-27                  |
| Freefall        | IEC 60068-2-32 0.5m             |
| Vibration       | IEC 60068-2-6                   |
| Railway Traffic | EN50121-4                       |
| Safety          | IEC 60950                       |

#### Order Information : IESG 104-2S A

| Model No. | Description                                 |
|-----------|---------------------------------------------|
| IESG 104  | Unmanaged Switch with 4 of 10/100/1000M and |
| 2S        | 2 1000X SFP Ports                           |
| A         | Fixed                                       |