

IESH-MB208G-R

Industrial Unmanaged Gigabit Ethernet Switch

Overview

The IESH-MB208G-R supports Gigabit Ethernet. The power is a +12 ~ 48 VDC redundant input design, and is secured with a double protection mechanism: Power Polarity Reverse Protect and an Overload Current Fuse. The former tolerates reverse power wiring while the later secures the system from overload currents. Each port of IESH-MB208G-R has 2 LED's to show the link status transmission speed and collision status. It also provides a relay output for an event alarm. In the event of a power failure, the built-in LED will activate the alarm to notify administrators. Engineers can simply verify the hardware status by checking the LED, and have troubleshooting easy and quick. IESH-MB208G-R comes with compact metal housing that rates IP30 to help against from dusty industrial environments. This product is intended to be supplied by a Listed DC power source, rated 12-48 Vdc, 0.45 A minimum or 12-48Vdc, 1.5A minimum and Tma 60 degree C.

Packing List

Before installation, please make sure that you have received the following:

- 1 x IESH-MB208G-R Industrial Ethernet Switch
- 2 x Wall Mounting Bracket and Screws
- 1 x DIN-rail Mounting Bracket and Screws
- 2 x IESH-MB208G-R Startup Manual

LED definition

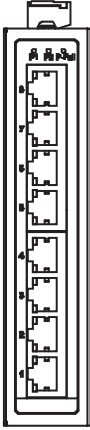
LED	Color	Description
P1	Green	On Power input 1 is active
		Off Power input 1 is inactive
P2	Green	On Power input 2 is active
		Off Power input 2 is inactive
P-Fail	Red	On Power input 1 or 2 is inactive
		Off Power input 1 and 2 are both active, or no power input
1-8 (Upper LED)	Green	On Connected to network
		Flashing Networking is active
1-8 (Lower LED)	Green	Off Not connected to network
		On Connected to network at speed of 1000Mbps
		Off Not connected to network or not working at speed of 1000Mbps

Specifications

General

- **Compatibility:** IEEE 802.3, 802.3u, 802.3x, 802.3ab
- **LAN:** 10/100/1000Base-T(X)
- **TransmissionDistance:** Ethernet: Up to 100 m
- **Connectors:** 8 x 10/100/1000Base-T/TX RJ- 45 ports
- **LED Indicators:**
P1, P2, P-Fail
10/100/1000T (X): Link/Activity, Duplex/Collision
- **Switch Architecture:** Store and Forward
- **Power Requirement:** 12~48V_{DC}, redundant Power Input with reverse polarity protection
- **Power Consumption:** 5.8 Watts
- **Dimensions (W x H x D):** 30 x 140 x 95mm
- **Enclosure:** IP30
- **OperatingTemperature:** -40~75°C (-40~167°F)
- **Storage Temperature:** -40 ~ 85°C (-40°F ~ 185°F)
- **Operating Humidity:** 10 ~ 95% (non-condensing)
- **Storage Humidity:** 10 ~ 95% (non-condensing)
- **Safety:** UL60950
- **EMC:** CE, FCC

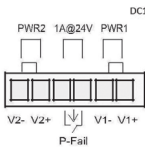
Overview



Power Connection

The IESH-MB208G-R switch supports dual +12 ~ 48 V_{DC} power inputs.

1. Insert the positive and negative wires into the V+ and V- contacts on the terminal block.
2. Tighten wire-clamps to prevent the DC wires from loosening.



Warning: This is a Class A product. In domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Warning: This product is intended to be supplied by a Listed Power Adapter or DC power source, rate

12 ~ 48 VDC, 1.5A; Tma 60 degree C, if need further assistance, please contact Advantech for further information.

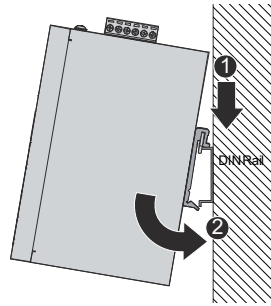
Wire Range

Current rating : 16Amp AC300V
Insulation withstands volt : AC2000V min
Insulation resistance : >2000MΩ DC500V
Operation temperature : -40°C to +105°C
Wire strip length : 4mm~5mm
Wire range : 12~24 AWG
Screw torque : 7.0 lb-inch

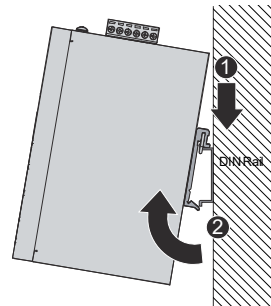
Mounting

DIN-rail Mounting

1. Installing the DIN-Rail Mounting Kit.



2. Removing the DIN-Rail.



Wall Mounting

1. Attach the brackets included to the switch with screws.
2. With the brackets attached, hang the switch to nails on the wall.

