Industrial Unmanaged Switching Hub User Manual

5 Port Model : E-IESH-MB1005-T-R/E-IESH-MB1005G-T-R

8 port Model: E-IESH-MB1008-T-R/E-IESH-MB1008G-T-R

FEATURES

- **Protocol:**
  IEEE802.3 10/100/1000M
- **Ports:**
  5 and 8 10/100M or 10/100/1000M RJ45 ports and CAT5 cable is used
- **Input Voltage:**
  12/24/48VDC or 24VAC Class 2
- **Power Consumption**:
  <5W
- **Size:**
  26mm (W) x 103mm (H) x 64mm (D) (5 Port Model)
  43.5mm (W) x 103mm (H) x 64mm (D) (8 Port Model)
- **Weight:**
  0.15KG (5 Port Model)
  0.21KG (8 Port Model)
- **Operating Temperature:**
  -40℃~75℃
- **Humidity:**
  5%~95%, No Condensation

LEDS

LED	State		Description
Power(PWR)	Green	On	Power is being supplied to power input.
		Off	Power is not being supplied to power input.
Ports (1000M Model)	Green	On	When the port is active and links on 1000 Mbps.
		Blinking	When the port's data is being transmitted at 1000 Mbps.
		Off	When the port is inactive or link down.
	Amber	On	When the port is active and links on 10/100 Mbps.
		Blinking	When the port's data is being transmitted at 10/100 Mbps.
		Off	When the port is inactive or link down.
Ports (10/100M Model)	Green	On	When the port is active and links.
		Blinking	When the port's data is being transmitted.
		Off	When the port is inactive or link down.

DIN-Rail Mounting

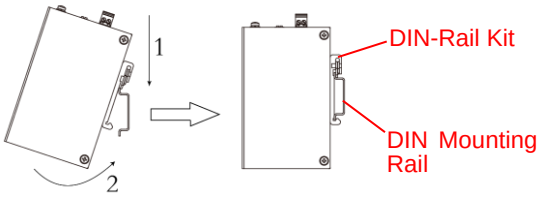


Figure 1 Installation Method

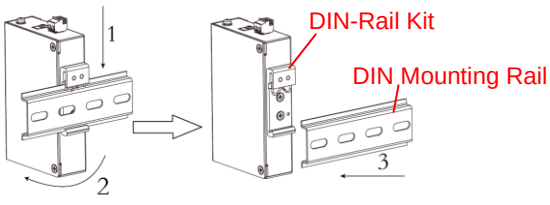
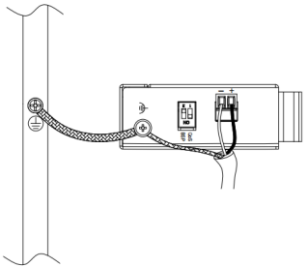


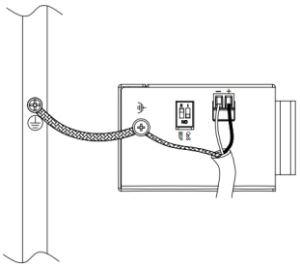
Figure 2 Removal Method

Power Connection Diagram

AC/DC input cable connection diagram for 5 Port Model



AC/DC input cable connection diagram for 8 Port Model



[NOTE]:

Before connecting the device to the AC/DC power inputs, make sure the AC/DC power source voltage is stable.

L/+ end is connected to the positive AC/DC wire.

N/− end is connected to the negative AC/DC wire.

DIP Switch Setting

The switch allows users to enable or disable the Quality of Service (QoS) function, and broadcast storm protection (BSP) with DIP switch on the outer panel.

Settings for the Fast Ethernet switches:

<table>
<tr><th>DIP Switch</th><th>Setting</th><th>Description</th></tr>
<tr><td rowspan="2">Quality of Service (QoS)</td><td>ON</td><td>Enable the quality of Service to handle packet priorities in two WRR queues. QoS priority mapping matrix in each queue.
<table>
<tr><td>QoS 3bit priority</td><td>7.6.5.4</td><td>3.2.1.0</td></tr>
<tr><td>Queues</td><td>1</td><td>0</td></tr>
<tr><td>WRR</td><td>16</td><td>1</td></tr>
</table></td></tr>
<tr><td>OFF</td><td>Disables the Quality of Service.</td></tr>
<tr><td rowspan="2">Broadcast Storm Protection (BSP)</td><td>ON</td><td>Enables broadcast storm protection (only allow maximum of 200 broadcast packets per second) for each Ethernet port.</td></tr>
<tr><td>OFF</td><td>Disable the broadcast storm protection.</td></tr>
</table>

Settings for the Gigabit Ethernet switches:

<table>
<tr><th>DIP Switch</th><th>Setting</th><th>Description</th></tr>
<tr><td rowspan="2">Quality of Service (QoS)</td><td>ON</td><td>Enable the quality of Service to handle packet priorities in four WRR queues. CoS/ToS and DSCP priority mapping matrix in each queue.
<table>
<tr><td>CoS/ToS Priority</td><td>7,6</td><td>5,4</td><td>3,2</td><td>1,0</td></tr>
<tr><td>DSCP Priority</td><td>63 to 48</td><td>47 to 32</td><td>31 to 16</td><td>15 to 0</td></tr>
<tr><td>Queues</td><td>3</td><td>2</td><td>1</td><td>0</td></tr>
<tr><td>WRR</td><td>8</td><td>4</td><td>2</td><td>1</td></tr>
</table></td></tr>
<tr><td>OFF</td><td>Disables the Quality of Service</td></tr>
<tr><td rowspan="2">Broadcast Storm Protection (BSP)</td><td>ON</td><td>Enables broadcast storm protection (at a maximum of 2000 broadcast packets per second) for each Ethernet port.</td></tr>
<tr><td>OFF</td><td>Disable the broadcast storm protection.</td></tr>
</table>