

# 0500510000000EV00-00

## e-light-1000-4G unmanaged Gigabit Switch



### Features

- Provides 5 Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports 10/100/1000 Mbps Auto Negotiation
- Supports jumbo frame transmission up to 9kbytes
- Provides slim size DIN-rail clip
- Supports Redundant 12 ~ 48 V<sub>DC</sub> power input and P-Fail Relay

### Introduction

The switch 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 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. It comes with compact metal housing that rates IP30 to protect from dusty industrial environments.

### Specifications

#### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x, 802.3ab
- **LAN** 10/100/1000Base-T(X)
- **Transmission Distance** Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable)
- **Transmission Speed** Up to 1000 Mbps

#### Interface

- **Connectors** 5 x RJ45  
6-pin removable screw terminal (power & relay)
- **LED Indicators** P1, P2, P-Fail  
10/100/1000T (X): Link/Activity, Duplex/Collision

#### Power

- **Power Consumption** 2.5W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output

#### Mechanism

- **Dimensions (W x H x D)** 30 x 140 x 95 mm (1.18" x 5.51" x 3.74")
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

#### Protection

- **Power Reverse** Present
- **Overload current** Present

#### Environment

- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)  
-40 ~ 75°C (-40 ~ 167°F) / (I model)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** 2,296,909 hours

#### Certifications

- **Safety** UL 60950
- **EMI** CE, FCC Class A
- **EMS** EN 61000-4-2  
EN 61000-4-3  
EN 61000-4-4  
EN 61000-4-5  
EN 61000-4-6  
EN 61000-4-8
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6

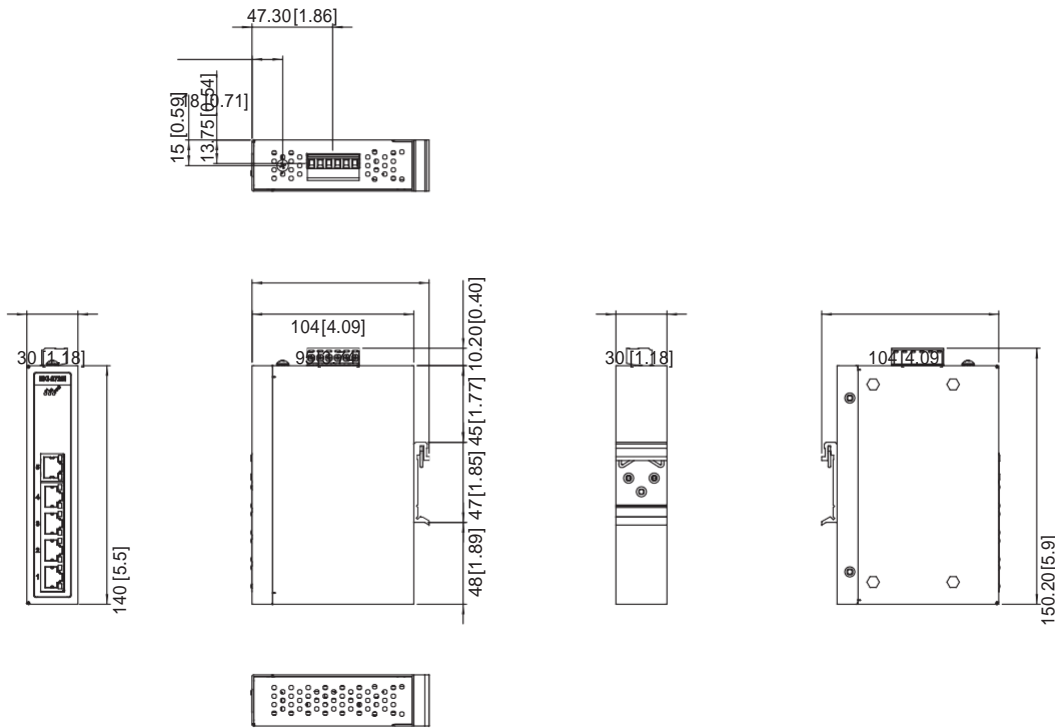
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### Dimensions

Unit: [mm]



### Ordering Information

050051000000EV00-00 wide temperature 5-port unmanaged Gigabit Switch