

# User Manual of Industrial Grade

## Non-managed Ethernet Switch

### I. Overview

HK-85107 is a 8-port industrial grade non-managed Ethernet switch with reverse polarity protection of AC or DC input for avoiding being damaged. It has ingenious appearance design and supports industrial standard snap-fit-mounting and wall-mounting installation, so it's very easy to be installed and used in any industrial networks.

### II. Main Features

- ◆ compatibility :standard IEEE 802.3, 802.3u, 802.3x
- ◆ network:7 port10/100Base-TX; 1 port 10/100Base-FX
- ◆ Ethernet communication distance:up to 100 meters
- ◆ connector:7x10/100 Base-TX RJ-45 terminals;  
1x 10/100 Base-TX SC interface

#### Power specifications:

- ◆ DC:12~48V with reverse polarity protection
- ◆ AC:12~38V
- ◆ Over-current protection:1.1A

#### Power Consumption:

- ◆ with full load:2.5Watts
- ◆ dimension:160mm×122mm×48mm (Length×Width×Height)
- ◆ shell:steel material
- ◆ Surge protection: 3000V(power supply)
- ◆ Operating temperature:-40°C ~85 °C
- ◆ Storage temperature:-55°C ~150°C (-67-3020F)
- ◆ Operating humidity:5%~95% (non-condensing)
- ◆ Storage humidity:0%~95% (non-condensing)
- ◆ CE and FCC approval

### III. Indication Light

a. PWR: DC 12~48V or AC 12~38V power supply connected as shown in figure 1 and the red power indication light PWR will light, the switch operates normally.

b. RJ-45:After network cable is connected the left green light will light for 100Base network and not light for 10Base network; The right yellow indication light is network link indication light and it will light when the network cable is connected and switch operates normally. Both yellow and green lights will not light if the network cable is not connected.

### IV. Power supply connection

HK-8508 series industrial grade Ethernet switch supports DC 12~48V and AC 12~38V power supply inputs, and the DC model equips with reverse polarity protection for avoiding being damaged.

- 1、 Connect the positive/negative polarity to V+ and V- terminals respectively (AC power can use either terminal)
- 2、 Tighten the screws to avoid loose connection and bad contact.

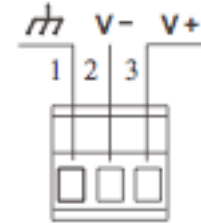
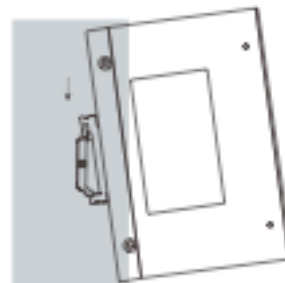


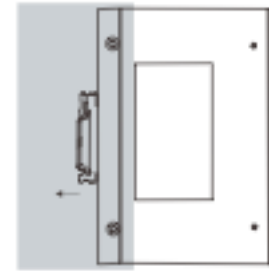
Figure 1 Power supply

### V. Installation

- 1、 DIN rail mounting
  - A.Tighten the rail to machine with accompanied screws.
  - B.Push the top side of HK-85206 rail seat into the fixed rail.



C. Then push it into the rail slightly again



2、 Wall mounting



1 Tighten the metal fixation strip with accompanied screws as shown in the above figure.

2 Then hang the machine with locked metal strip onto wall or machine cabinet.

### VI. led status status description

- 1.PWR led indicates , power supply normally.
- 2.RJ45 lamp: by access lines, left green light 100Base networking or 10Base network does not light; yellow led on the right are filed, access network working color change indicator light flashes; don't pick up cable, yellow and green lights are lit.
- 3.FDX light fiber optic links right, flicker said it is transferring data.
- 4.FAIL led indicates a failed power supply all the way or no access.