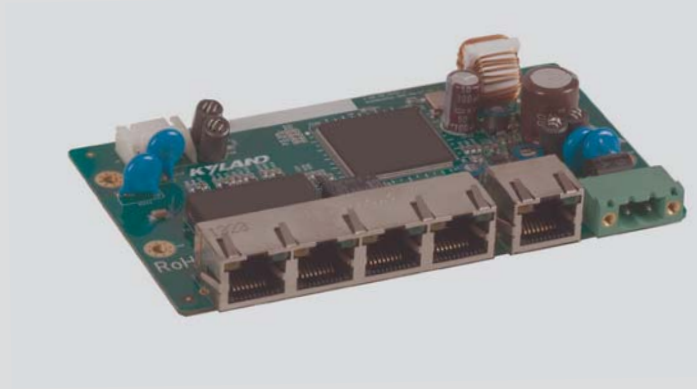# KIEN1005A-SMS-EM

5 Port Unmanaged Embedded Switch

- Embedded switching module
- 5 10/100Base-T(X) ports
- 2K MAC table
- Full load power consumption is as low as 1.5W

Overview

The KIEN1005A-SMS-EM Embedded Ethernet Switching Module can be directly installed in the target device. It has been widely used in solar power industry. KIEN1005A-SMS-EM provides five 10/100Base-T(X) ports, and support 5VDC (4.5-5.5VDC) and 7VDC (6.5-7.5VDC) power inputs, along with the operating temperature range from -10℃ to +60℃。

Technical Specification

Technical Parameter

Standard
- ▼ IEEE 802.3i (10Base-T)
- ▼ IEEE 802.3u (100Base-TX)
- ▼ IEEE802.3x (flow control)

Switch Properties

MAC Table	2K
Packet Buffer	1Mbit
Packet Forwarding Rate	0.8Mpps
Switching Delay	<10μs

Interface

Fast Ethernet Port	10/100Base-T(X), RJ45 port

LED

LEDs on Front Panel
- ▼ Interface LED: Link/ACT, Speed (RJ45 port)

Power Requirements

Power Input
- ▼ P1: 5VDC (4.5-5.5VDC),
- ▼ P2: 7VDC (6.5-7.5VDC)

Power Terminal	plug-in terminal block
Power Consumption	1.5W (full load), 0.99W (no load)
Overload Protection	Support
Reverse Protection	Support
Redundancy Protection	Support

Physical Characteristics

Dimension	120mm×70mm (W×D)
Weight	0.2Kg
Mounting	Embedded mounting

Environmental Limits

Operating Temperature	-10℃-+60℃
Storage Temperature	-40℃-+85℃
Ambient Relative Humidity	5-95% (non-condensing)

Warranty

MTBF	454,730 hrs
Warranty	5 years

≫ Mechanical Drawing
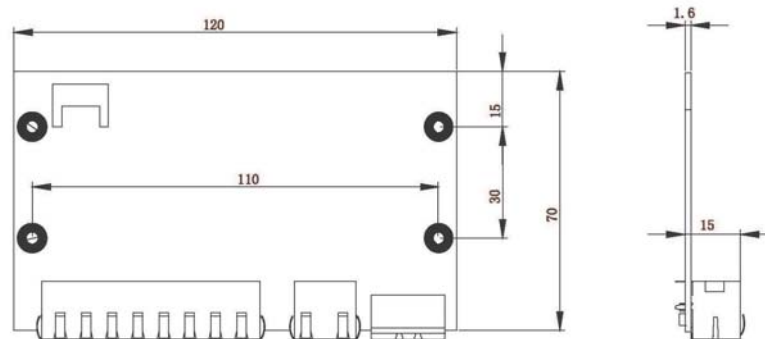
≫ Ordering Information

	KIEN1005A-SMS-EM-Ports-PS
EM	Non-housing and Conformal Coating
Ports	
5T	5×10/100Base-T(X) RJ45 ports
PS	
L7-L11	5VDC(4.5-5.5VDC)-7VDC(6.5-7.5VDC)