

# EKI-5626C/I-PN EKI-5629C/I-PN

**16 + 2G Combo Ports Entry-Level Managed Switch Supporting PROFINET**  
**8 + 2G Combo Ports Entry-Level Managed Switch Supporting PROFINET**



## Features

- ③ 16 Fast Ethernet ports + 2 Gigabit Copper/SFP combo ports (EKI-5626C/I-PN) & 8 Fast Ethernet ports + 2 Gigabit Copper/SFP combo ports (EKI-5629C/I-PN)
- ③ Entry-Level Managed Switch
- ③ IXM function enables fast deployment
- ③ Provides GSDML files
- ③ Management: SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB
- ③ Supports Media Redundancy Protocol (MRP slaves)



## Introduction

EKI-5626C/5629C-PN are new generation of entry-level managed switch products. They support media redundancy protocols and meet the PROFINET real time standard. The devices come with a compact metal housing that is IP30 rated to protect against dusty industrial environments. The wide power input power (8.4 to 52.8 V<sub>DC</sub>) is dedicated to operating in areas of unstable power and rugged environments.

EKI-5629C/I-PN: 3,183,604 hours

## Specifications

### Communications

- ③ **Standard** IEEE 802.3, 802.3u, 802.3x, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3AD, 802.3az
- ③ **LAN** 10/100Base-T (X),
- ③ **Transmission Distance** Ethernet: UP to 100m (4-wire Cat.5e, Cat.6)  
RJ-45 cable suggested for Gigabit port  
SFP: UP to 110km (depends on SFP)
- ③ **Transmission Speed Ethernet** Ethernet: 10/100Mbps Auto-Negotiation  
Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation  
Gigabit Fiber: UP to 1000Mbps

### Interface

- ③ **I/O Port** EKI-5626C/I-PN: 16 x RJ-45 + 2 x RJ-45/SFP combo ports  
EKI-5629C/I-PN: 8 x RJ-45 + 2 x RJ-45/SFP combo ports
- ③ **Power Connector** 6-pin screw
- ③ Terminal Block (including relay)

### Physical

- ③ **Enclosure** Metal Shell
- ③ **Protection Class** IP 30
- ③ **Installation** DIN-Rail
- ③ **Dimensions (W x H x D)** 74 x 120 x 84 mm

### LED Display

- ③ **System LED** PWR1, PWR2, P-Fail, Loop/Status
- ③ **Port LED** Link / Speed / Activity

### Environment

- ③ **Operating Temperature** EKI-5626C/I-PN & EKI-5629C/I-PN: -40 ~ 75°C (-40 ~ 167°F)  
EKI-5626C-PN & EKI-5629C-PN: -10 ~ 60°C (14 ~ 140°F)
- ③ **Storage Temperature** -40 ~ 85°C
- ③ **Ambient Relative Humidity** 10 ~ 95% (non-condensing)
- ③ **Humidity** 10 ~ 95% (non-condensing)
- ③ **MTBF** EKI-5626C/I-PN: 2,825,281 hours

## Power

③	<b>Power Consumption</b>	EKI-5626C/I-PN: EKI-5629C/I-PN: Max 5.8W
③	<b>Power Input</b>	12~48V <sub>DC</sub> (8.4~52.8V <sub>DC</sub> ), redundant dual power input
③	<b>Fault Output</b>	1 Relay Output

## Certification

③	<b>EMI CE, FCC Class A</b>	
③	<b>Safety</b>	UL508, Class 1 Division 2,
③	<b>ATEX</b>	
③	<b>EMC</b>	EN 61000-4-2; EN 61000-4-3; EN 61000-4-4; EN 61000-4-5; EN 61000-4-6; EN 61000-4-8 IEC 60068-2-27
③	<b>Shock</b>	
③	<b>Freefall</b>	IEC 60068-2-32
③	<b>Vibration</b>	IEC 60068-2-6

## L2 Features

③	<b>L2 MAC Address</b>	8K
③	<b>Jumbo Frame</b>	9216 Bytes
③	<b>VLAN Group</b>	256 (VLAN ID 1~4094)
③	<b>VLAN Arrange</b>	Port based VLAN, GVRP

③	<b>Port Mirroring</b>	Per port, Multi-source port,
③	<b>IP Multicast</b>	IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
③	<b>Storm Control</b>	Broadcast, Multicast, Unknown
③	<b>unicast</b>	
③	<b>IEEE802.1w-RSTP,</b>	
	<b>Redundancy</b>	IEEE 802.1D-STP, IEEE 802.1s-MSTP, X-Ring, with ultra high-speed recovery time less than 20ms

## QoS

③	<b>Priority Queue</b>	WRR (Weighted Round Robin), SP (Strict Scheduling)
③	<b>Scheduling</b>	Priority Hybrid Priority
③	<b>Class of Service</b>	IEEE 802.1p Based CoS, IP TOS, DSCP based CoS
③	<b>Rate Limiting</b>	Ingress Rate limit, Egress Rate limit
③	<b>Link Aggregation</b>	IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking

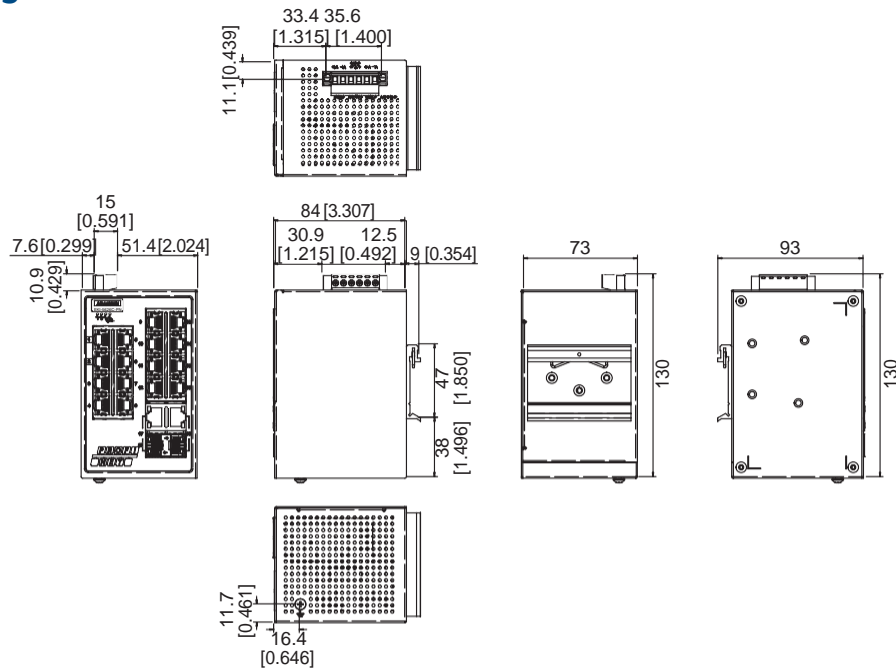
## Security

③	<b>Port Security</b>	Static, Dynamic, MAC address filtering
③	<b>Authentication</b>	802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)

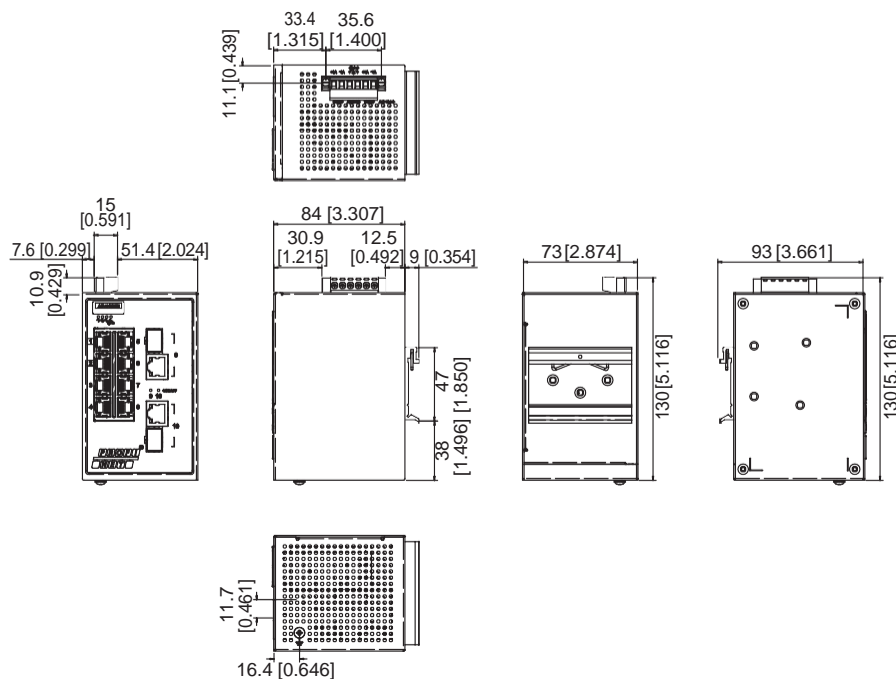
## Dimensions

Unit: mm [inch]

### EKI-5626C/I-PN



### EKI-5629C/I-PN



### Management

- ③ MIB, Private MIB
- ③ Dual Image
- ③
- ③
- ③ Redundancy Protocol

- Access** SNMP v1/v2c/v3, WEB, Standard
- Software upgrade** TFTP, HTTP,
- NTP** SNTP client
- Data Protocols** Syslog  
IPV6, LLDP, PROFINET, Media

## Ordering Information

- ③ **EKI-5626C-PN-AE** 16 + 2G Combo ports entry-level managed switch support PROFINET
- ③ **EKI-5626CI-PN-AE** 16 + 2G Combo ports entry-level managed switch support PROFINET w/wide temp.
- ③ **EKI-5629C-PN-AE** 8 + 2G Combo ports entry-level managed switch support PROFINET
- ③ **EKI-5629CI-PN-AE** 8 + 2G Combo ports entry-level managed switch support PROFINET w/wide temp.