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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

# 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

- 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)
- Entry-Level Managed Switch
- IXM function enables fast deployment
- Provides GSDML files
- Management: SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB
- Supports Media Redundancy Protocol (MRP slaves)

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

## 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 $V_{DC}$) is dedicated to operating in areas of unstable power and rugged environments.

## Specifications

### Communications

- **Standard** — IEEE 802.3, 802.3u, 802.3x, 802.1D, 802.1w,802.1p, 802.1Q, 802.1X, 802.3AD,802.3az
- **LAN** — 10/100Base-T (X),
- **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)
- **Transmission Speed Ethernet** — Ethernet: 10/100Mbps Auto-Negotiation Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation Gigabit Fiber: UP to 1000Mbps

### Interface

- **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
- **Power Connector** — 6-pin screw Terminal Block (including relay)

### Physical

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

### LED Display

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

### Environment

- **Operating Temperature** — EKI-5626CI-PN & EKI-5629CI-PN: -40 ~ 75°C (-40 ~ 167°F) EKI-5626C-PN & EKI-5629C-PN: -10 ~ 60°C (14 ~ 140°F)
- **Storage Temperature** — -40 ~ 85°C
- **Ambient Relative Humidity** — 10 ~ 95% (non-condensing)
- **Humidity** — 10 ~ 95% (non-condensing)
- **MTBF** — EKI-5626C/I-PN: 2,825,281 hours EKI-5629C/I-PN: 3,183,604 hours

### Power

- **Power Consumption** — EKI-5626C/I-PN: Max 8.2W EKI-5629C/I-PN: Max 5.8W
- **Power Input** — 12 ~ 48 $V_{DC}$ (8.4~52.8 $V_{DC}$), redundant dual power input
- **Fault Output** — 1 Relay Output

### Certification

- **EMI** — CE, FCC Class A
- **Safety** — UL508, Class 1 Division 2, ATEX
- **EMC** — 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

### L2 Features

- **L2 MAC Address** — 8K
- **Jumbo Frame** — 9216 Bytes
- **VLAN Group** — 256 (VLAN ID 1~4094)
- **VLAN Arrange** — Port based VLAN, GVRP
- **Port Mirroring** — Per port, Multi-source port,
- **IP Multicast** — IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
- **Storm Control** — Broadcast, Multicast, Unknown unicast
- **Redundancy** — IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring, with ultra high-speed recovery time less than 20ms

### QoS

- **Priority Queue Scheduling** — WRR (Weighted Round Robin), SP (Strict Scheduling Priority) Hybrid Priority
- **Class of Service** — IEEE 802.1p Based CoS, IP TOS, DSCP based CoS
- **Rate Limiting** — Ingress Rate limit, Egress Rate limit
- **Link Aggregation** — IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking
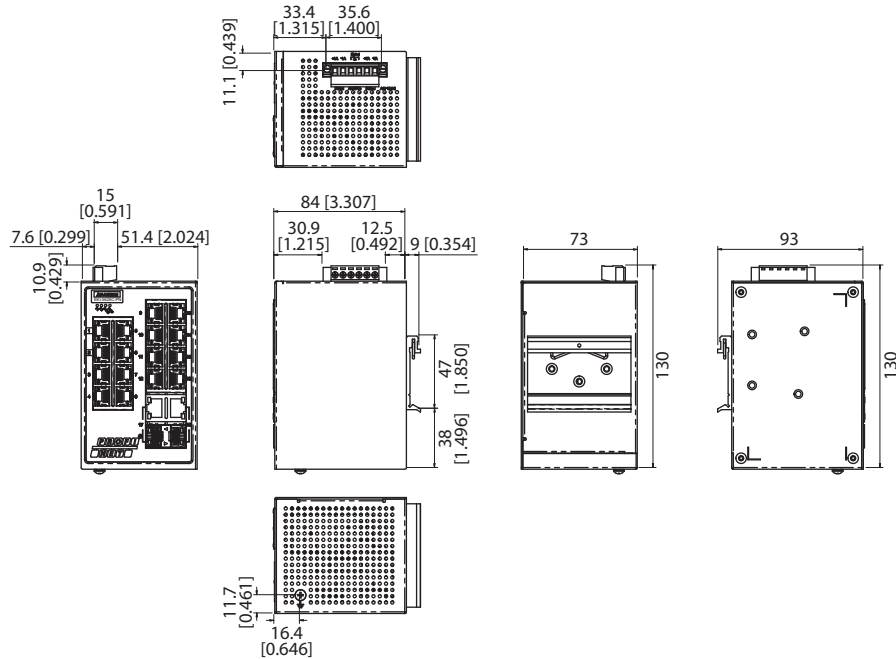
### Security

- **Port Security** — Static, Dynamic, MAC address filtering
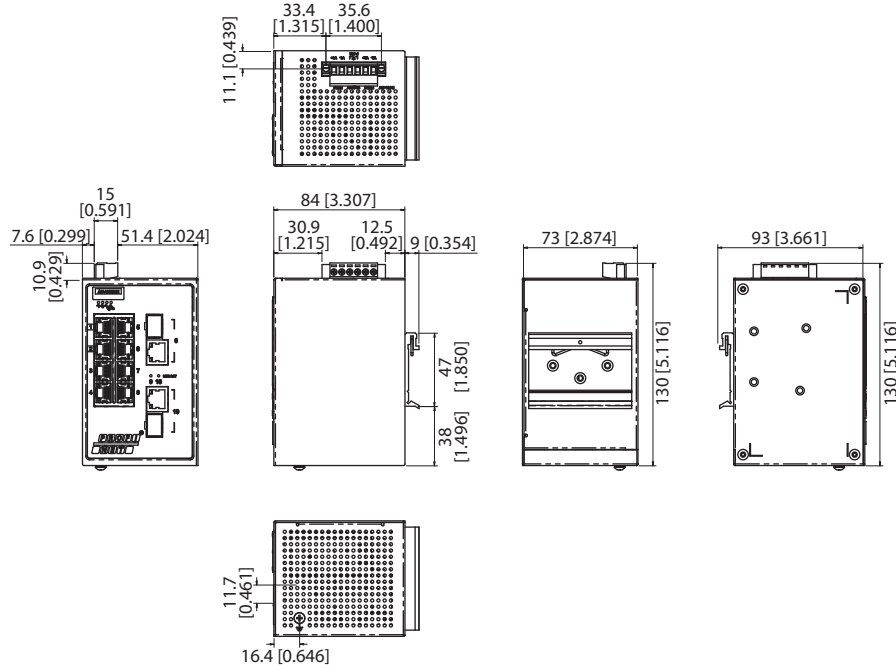- **Authentication** — 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)

# Dimensions

Unit: mm [inch]

**EKI-5626C/I-PN**



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## Management

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

## Ordering Information

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

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