

# 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



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### 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)

### 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.

### Specifications

#### Communications

- Standard** IEEE 802.3, 802.3u, 802.3x, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3AD, 802.3az, 10/100Base-T (X),
- LAN**
- 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-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)
- 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<sub>DC</sub> (8.4~52.8 V<sub>DC</sub>), 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

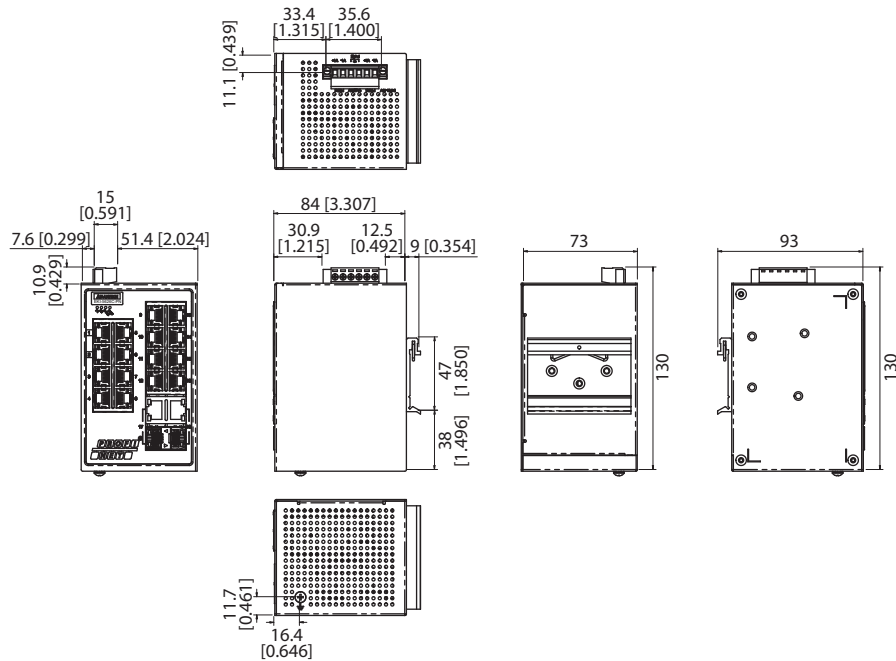
#### Security

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

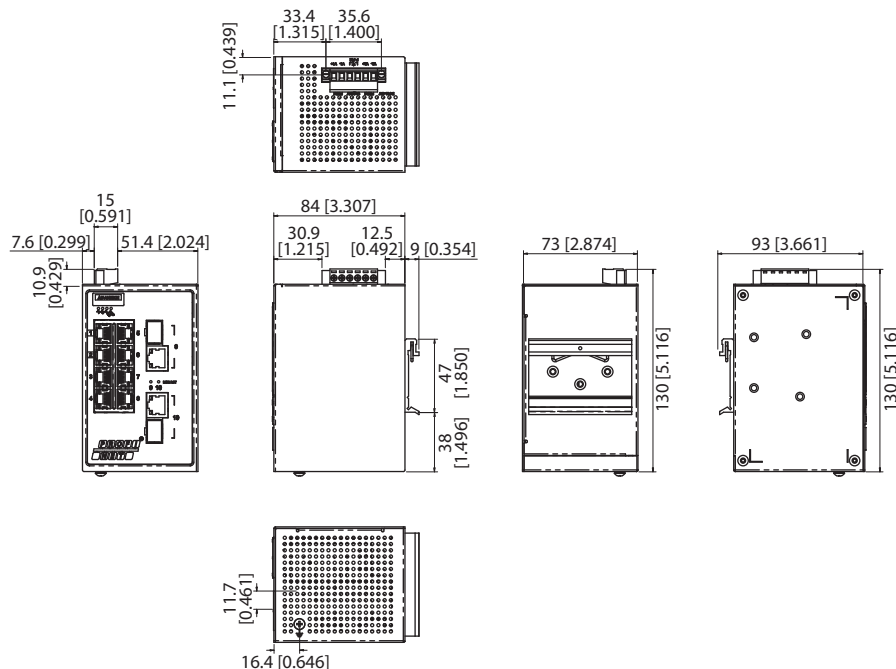
## Dimensions

Unit: mm [inch]

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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.