

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)

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, 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_{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, IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
- **IP Multicast**
Broadcast, Multicast, Unknown unicast
- **Storm Control**
IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring, with ultra high-speed recovery time less than 20ms
- **Redundancy**

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

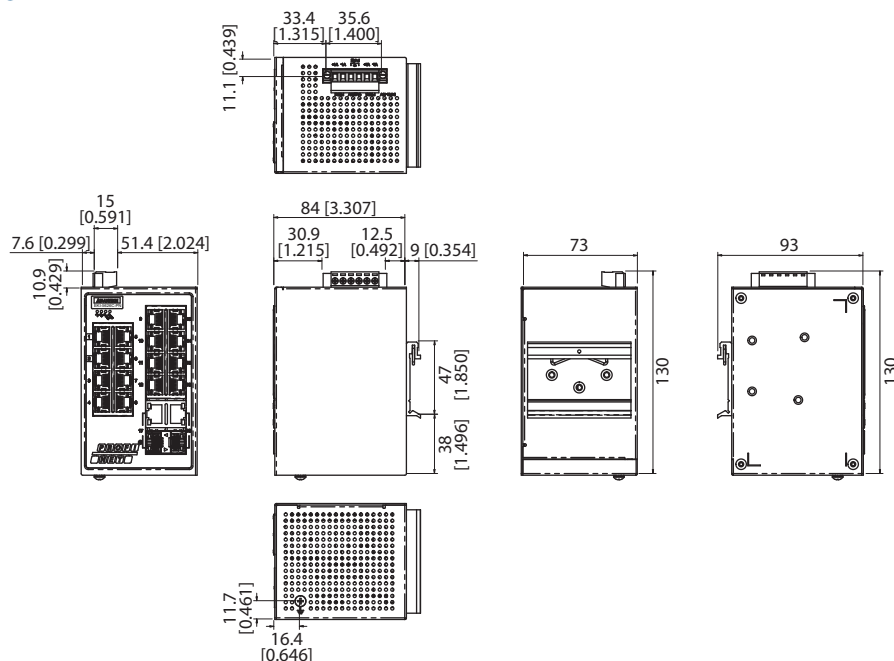
Security

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

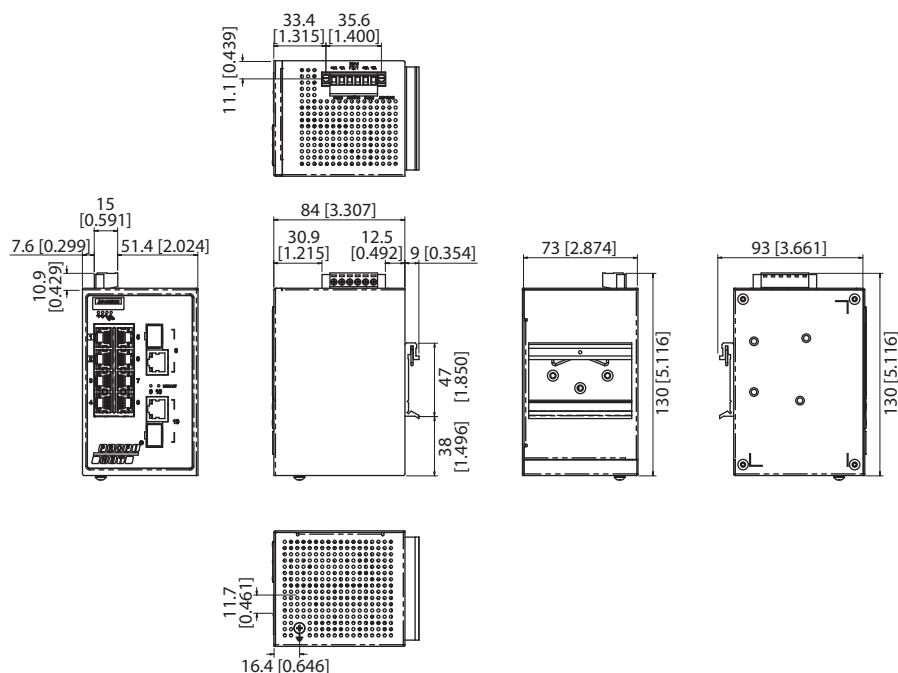
Dimensions

Unit: mm [inch]

EKI-5626C/I-PN



EKI-5629C/I-PN



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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