

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



EKI-5626C/I-PN

EKI-5629C/I-PN



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

③ MTBF

EKI-5626C/I-PN: 2,825,281 hours
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
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)** 120 x 84 mm 74 x

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)

Power

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

Certification

| | | |
|---|----------------------------|---------------------------------------------------------------------------------------------------------|
| ③ | EMI CE, FCC Class A | |
| ③ | Safety | UL508, Class 1 Division 2, |
| ③ | ATEX | |
| ③ | 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 IEC 60068-2-27 |
| ③ | Shock | |
| ③ | Freefall | IEC 60068-2-32 |
| ③ | Vibration | IEC 60068-2-6 |

L2 Features

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

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

QoS

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

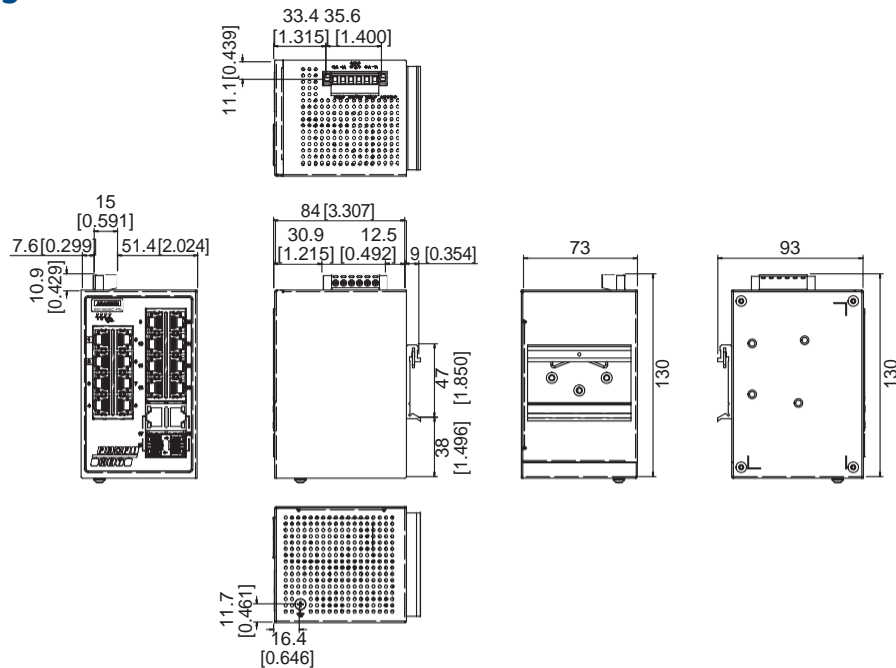
Security

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

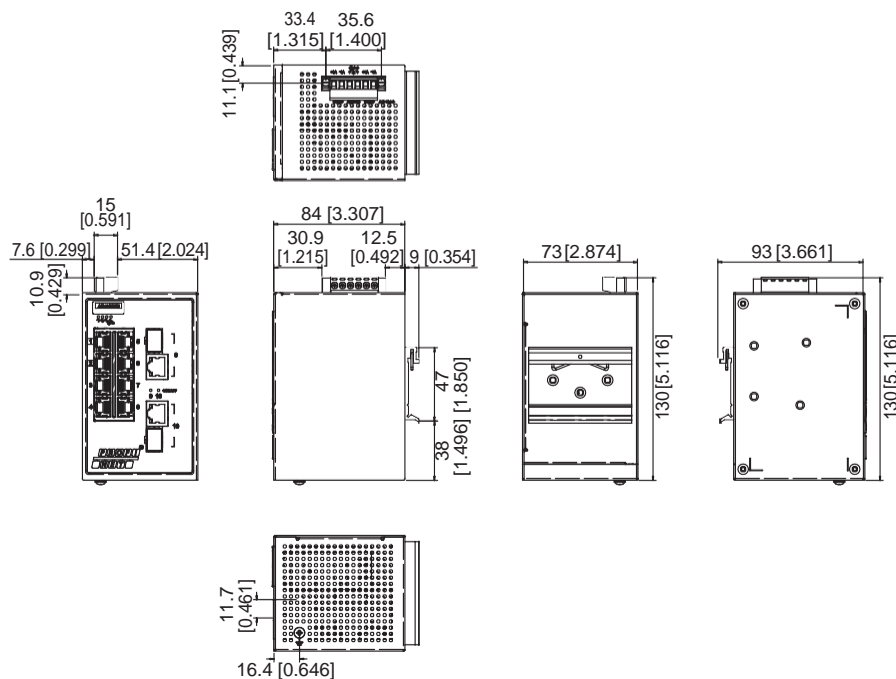
Dimensions

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** Syslog
- Protocols** 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