

# EKI-5526/I-PN

# EKI-5528/I-PN

**16 port Entry-Level Managed Switch  
Supporting PROFINET**

**8 port Entry-Level Managed Switch  
Supporting PROFINET**



EKI-5526/I-PN

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## Features

- 16 ports Fast Ethernet RJ-45 (EKI-5526/I-PN) & 8 ports Fast Ethernet RJ-45 (EKI-5528/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

The EKI-5526-PN and EKI-5528-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), Ethernet: Up to 100 m
- **LAN**
- **Transmission Distance**
- **Transmission Speed Ethernet** 10/100 Mbps Auto-Negotiation

### Interface

- **I/O Port** EKI-5526/I-PN: 16 x RJ-45  
EKI-5528/I-PN: 8 x RJ-45
- **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)** EKI-5526/I-PN: 74 x 120 x 84 mm  
EKI-5528/I-PN: 43 x 120 x 84 mm

### LED Display

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

### Environment

- **Operating Temperature** EKI-5526I-PN & EKI-5528I-PN: -40 ~ 75°C (-40 ~ 167°F)  
EKI-5526-PN & EKI-5528-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-5528/I-PN: 4,176,861 hours  
EKI-5526/I-PN: 2,788,343 hours

### Power

- **Power Consumption** EKI-5526/I-PN: Max. 8 W  
EKI-5528/I-PN: Max. 5.2 W
- **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

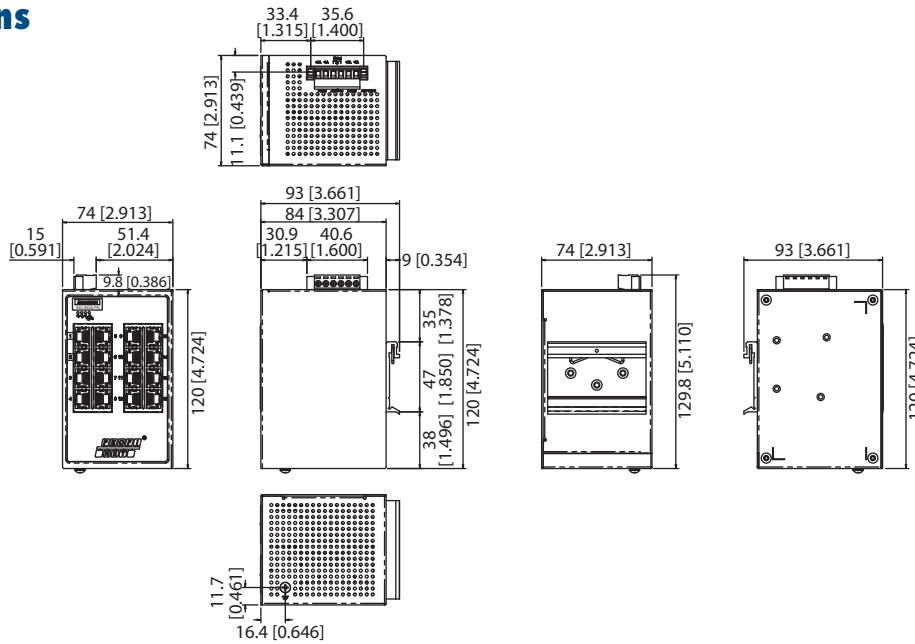
### QoS

- **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

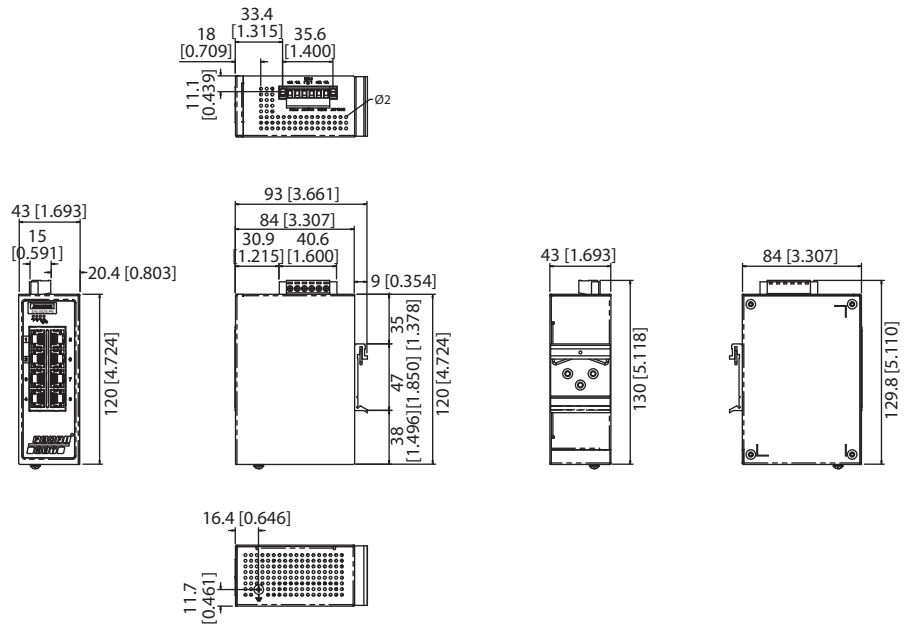
## Dimensions

Unit: mm [inch]

### EKI-5526/I-PN



### EKI-5528/I-PN



### Security

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

### 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-5526-PN-AE** 16 port entry-level managed switch supports PROFINET
- **EKI-5526I-PN-AE** 16 port entry-level managed switch supports PROFINET w/wide temp.
- **EKI-5528-PN-AE** 8 port entry-level managed switch supports PROFINET
- **EKI-5528I-PN-AE** 8 port entry-level managed switch supports PROFINET w/wide temp.