Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

EKI-5526/I-PN

16 port Entry-Level Managed Switch Supporting PROFINET

EKI-5528/I-PN

8 port Entry-Level Managed Switch Supporting PROFINET

EKI-5526/I-PN   EKI-5528/I-PN

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_{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 100 m
- **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_{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
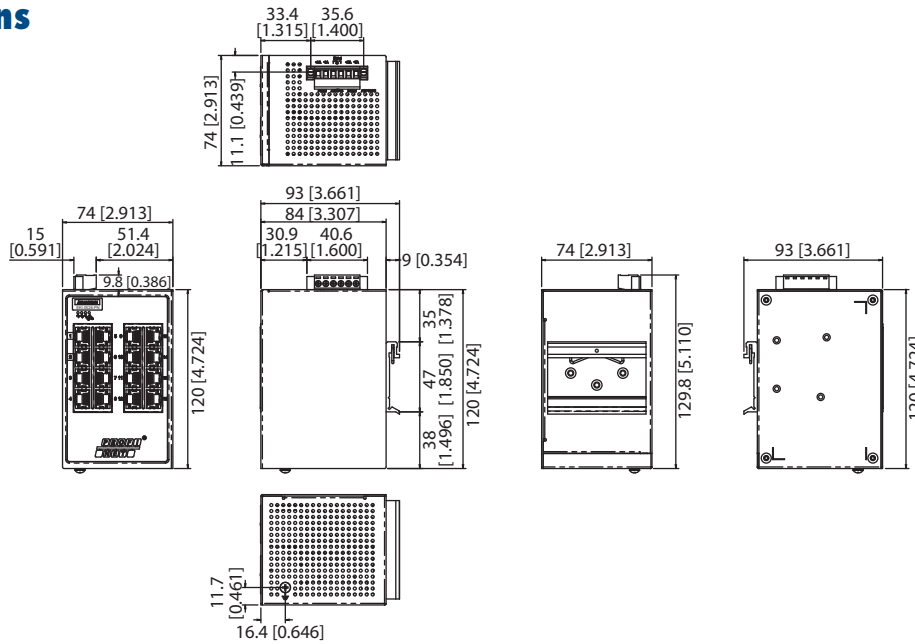
QoS

- **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
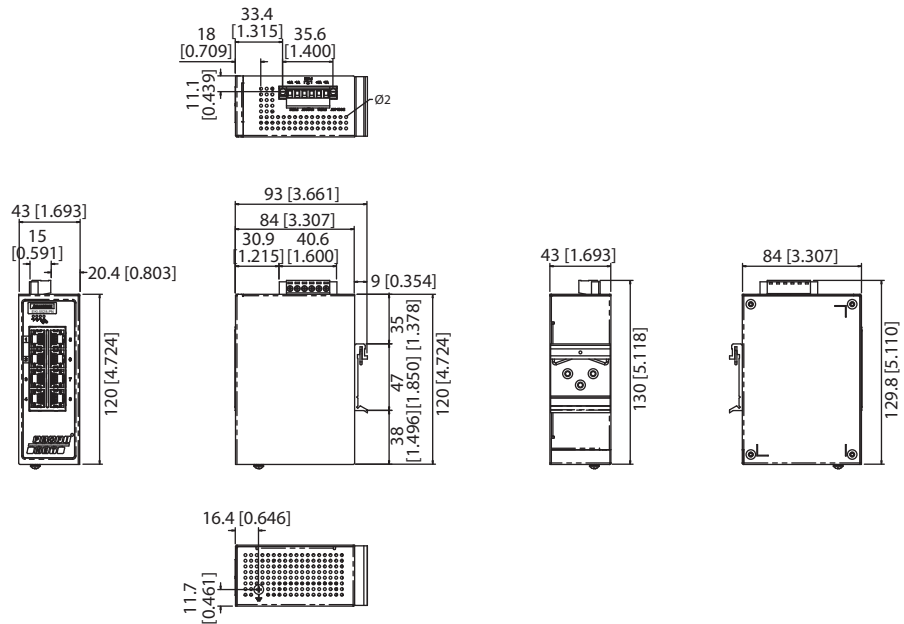
Dimensions

Unit: mm [inch]

EKI-5526/I-PN

33.4 [1.315] 35.6 [1.400]
74 [2.913] 11.1 [0.439]

74 [2.913]
15 [0.591] 51.4 [2.024]
9.8 [0.386]
120 [4.724]

93 [3.661]
84 [3.307]
30.9 [1.215] 40.6 [1.600]
9 [0.354]
35 [1.378]
47 [1.850]
38 [1.496]
120 [4.724]

74 [2.913]
129.8 [5.110]

93 [3.661]
120 [4.724]

11.7 [0.461]
16.4 [0.646]

EKI-5528/I-PN

33.4 [1.315]
18 [0.709] 35.6 [1.400]
11.1 [0.439]
Ø2

43 [1.693]
15 [0.591]
20.4 [0.803]
120 [4.724]

93 [3.661]
84 [3.307]
30.9 [1.215] 40.6 [1.600]
9 [0.354]
35 [1.378]
47 [1.850]
38 [1.496]
120 [4.724]

43 [1.693]
130 [5.118]

84 [3.307]
129.8 [5.110]

16.4 [0.646]
11.7 [0.461]

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.