

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

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



Features

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

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

- 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 100 m
- ③ **Transmission Speed Ethernet** 10/100Mbps Auto-Negotiation

Interface

- ③ **I/O Port** EKI-5526/I-PN: 16 x RJ-45
EKI-5528/I-PN: 8 x RJ-45
- 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)** EKI-5526/I-PN: 74 x 120 x 84 mm
EKI-5528/I-PN: 43 x 120 x 84 mm

LED Display

- ③ **System LED** PWR1, PWR2, P-Activity
- ③ **Port LED** Link / Speed / Activity

Environment

- ③ **Operating Temperature** EKI-5526-I-PN & EKI-5528-I-PN: -40 ~ 75°C (-40 ~ 167°F)
EKI-5526-PN & EKI-5528-PN: -10 ~ 60°C (14 ~ 140°F)
- ③ **Storage Temperature** -40 ~ 85°C
- ③ **Ambient Relative Humidity** 10 ~ 95% (non-condensing)

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③ **MTBF** EKI-5528/I-PN: 4,176,861 hours
EKI-5526/I-PN: 2,788,343 hours

Power

③	Max. 8W	Power Consumption	EKI-5526/I-PN: EKI-5528/I-PN: Max. 5.2 W
③	redundant dual power input	Power Input	12~48V _{DC} (8.4~52.8V _{DC}),
③		Fault Output	1 Relay Output

Certification

③		EMI CE, FCC Class A	
③	ATEX	Safety	UL508, Class 1 Division 2,
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	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	unicast	Storm Control	Broadcast, Multicast, Unknown
③	IEEE	Redundancy	IEEE 802.1D-STP, IEEE 802.1s-MSTP, 802.1w-RSTP, X-Ring, with ultra high-speed recovery time less than 20ms

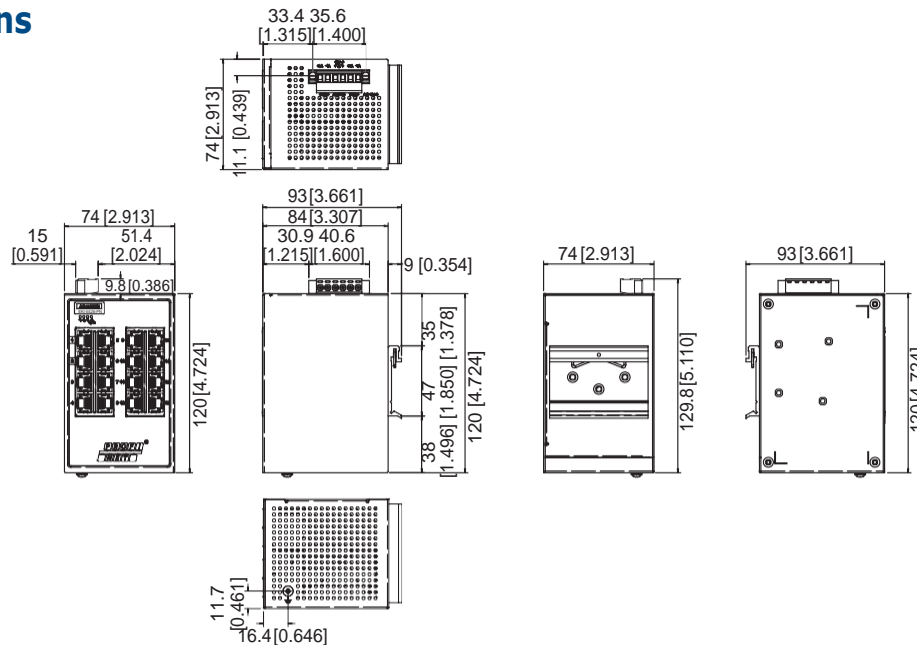
QoS

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

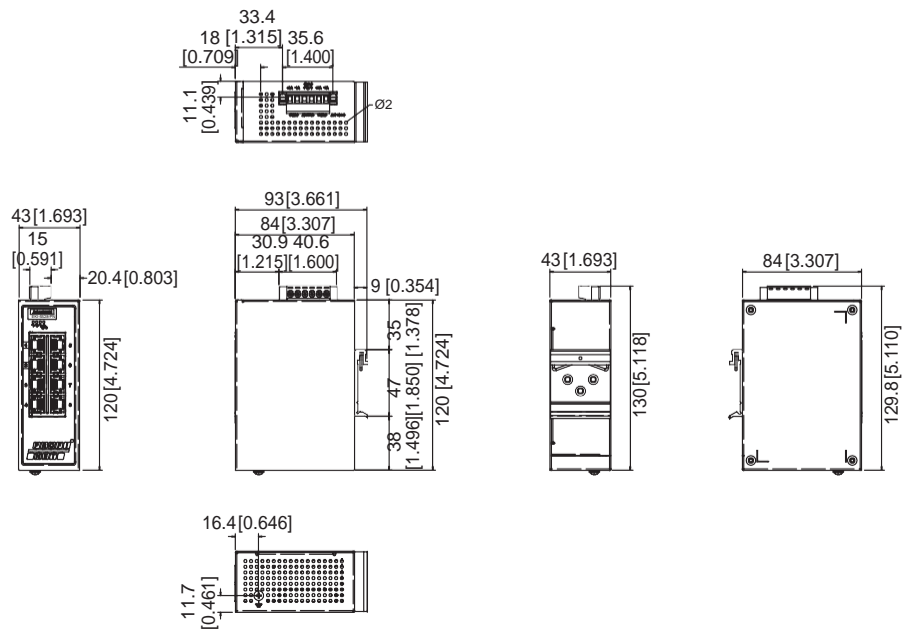
Dimensions

Unit: mm[inch]

EKI-5526/I-PN



EKI-5528/I-PN



Security

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

Management

- ③ **Access** SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB
- ③ **Software upgrade** TFTP, HTTP, Dual Image
- ③ **NTPSNTTP client**
- ③ **Data** Syslog
- ③ **Protocols** IPV6, LLDP, PROFINET, Media Redundancy Protocol

Ordering Information

- ③ **EKI-5526-PN-AE** 16 port entry-level managed switch supports PROFINET
- ③ **EKI-5526I-PN-AE** 16 port entry-level managed switch supports PROFINET w/wide temp.
- ③ **EKI-5528-PN-AE** 8 port entry-level managed switch supports PROFINET
- ③ **EKI-5528I-PN-AE** 8 port entry-level managed switch supports PROFINET w/wide temp.

