EKI-5528-PNMA

8 Port Entry-Level Managed Switch Supporting PROFINET MRP Master

Features

- ③ 8 ports Fast Ethernet RJ-45
- 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 Master)

IPv6 5 Year Warranty c UL us LISTED E190961 ITE

Introduction

The EKI-5528-PNMA is a new generation of entry-level managed switch products. They support media redundancy protocol master 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

③ **MTBF**   4,176,861 hours

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** 10/100 Mbps Auto-Negotiation

Interface

③ **I/O Port** 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)**   43 x 120 x 84 mm

LED Display

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

Environment

③ **Operating Temperature**   -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**   Max. 5.2 W

③   **Power Input**   12~48 V_{DC} (8.4~52.8 V_{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,
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

③   **Shock**   IEC 60068-2-27

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
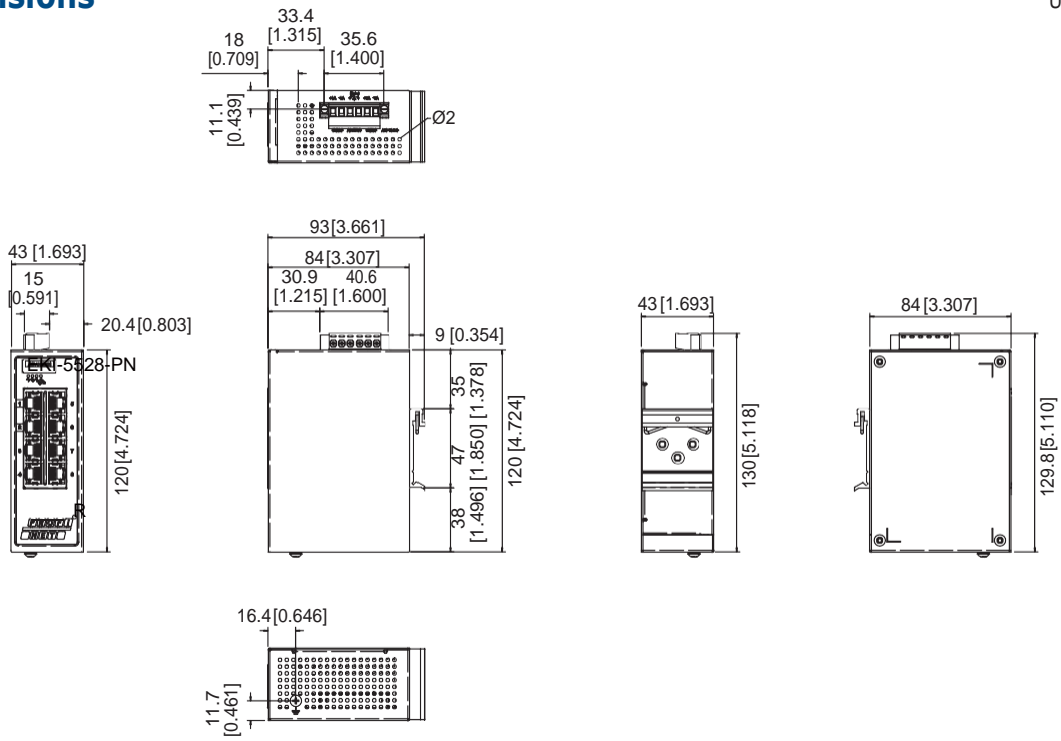Snooping v1/v2/v3, MLD
Snooping, IGMP Immediate leave

③   **Storm Control** Broadcast, Multicast, Unknown
unicast

③   **Redundancy**   IEEE 802.1D-STP, IEEE 802.1s-MSTP,
IEEE
802.1w-RSTP, X-Ring, with ultra high-speed recovery
time less than 20ms

Dimensions

Unit: mm [inch]

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)

Management

③ **Access** SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB

③ **Software upgrade** TFTP, HTTP, Dual Image

③ **NTP** SNTP client

③ **Data** Syslog

③ **Protocols** IPV6, LLDP, PROFINET, Media Redundancy Protocol Master

Ordering Information

③ **EKI-5528-PNMA-AE** 8 port entry-level managed switch supports PROFINET MRP Master