

# EKI-5526/I-MB

# EKI-5528/I-MB

**16 port Entry-Level Managed Switch  
Supporting Modbus/TCP**

**8 port Entry-Level Managed Switch  
Supporting Modbus/TCP**



EKI-5526/I-MB

EKI-5528/I-MB



## Features

- 16 ports Fast Ethernet RJ-45 (EKI-5526/I-MB) & 8 ports Fast Ethernet RJ-45 (EKI-5528/I-MB)
- Entry-Level Managed Switch
- IXM function enables fast deployment
- Management: SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB

## Introduction

The EKI-5526/I-MB and EKI-5528/I-MB are a new generation of entry-level managed switch products. They support basic Layer 2 managed function such as Ring, SNMP, IGMP etc. Besides, they support Modbus/TCP and can easily integrate with SCADA. 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 VDC) 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-MB: 16 x RJ-45  
EKI-5528/I-MB: 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-MB: 74 x 120 x 84 mm  
EKI-5528/I-MB: 43 x 120 x 84 mm

### LED Display

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

### Environment

- **Operating Temperature** EKI-5526I-MB & EKI-5528I-MB: -40 ~ 75°C (-40 ~ 167°F)  
EKI-5526-MB & EKI-5528-MB: -10 ~ 60°C (14 ~ 140°F)  
-40 ~ 85°C
- **Storage Temperature** 10 ~ 95% (non-condensing)
- **Ambient Relative Humidity** 10 ~ 95% (non-condensing)
- **Humidity** EKI-5528/I-MB: 4,176,861 hours  
EKI-5526/I-MB: 2,788,343 hours
- **MTBF**

### Power

- **Power Consumption** EKI-5526/I-MB: Max. 8 W  
EKI-5528/I-MB: 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  
IEC 60068-2-27  
IEC 60068-2-32  
IEC 60068-2-6
- **Shock**
- **Freefall**
- **Vibration**

### 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, IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
- **IP Multicast** Broadcast, Multicast, Unknown unicast
- **Storm Control** IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring, with ultra high-speed recovery time less than 20ms
- **Redundancy**

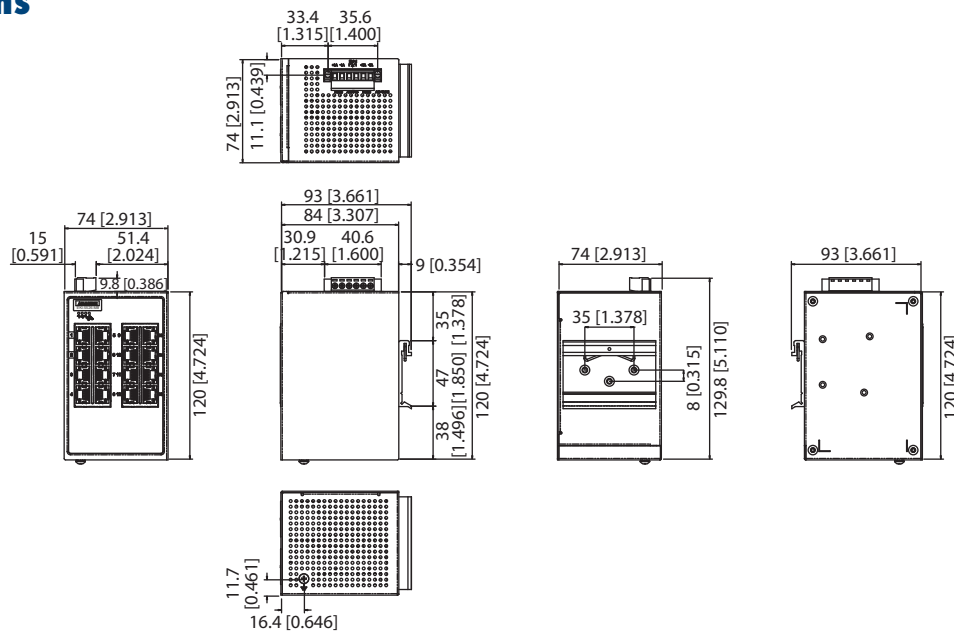
### QoS

- **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

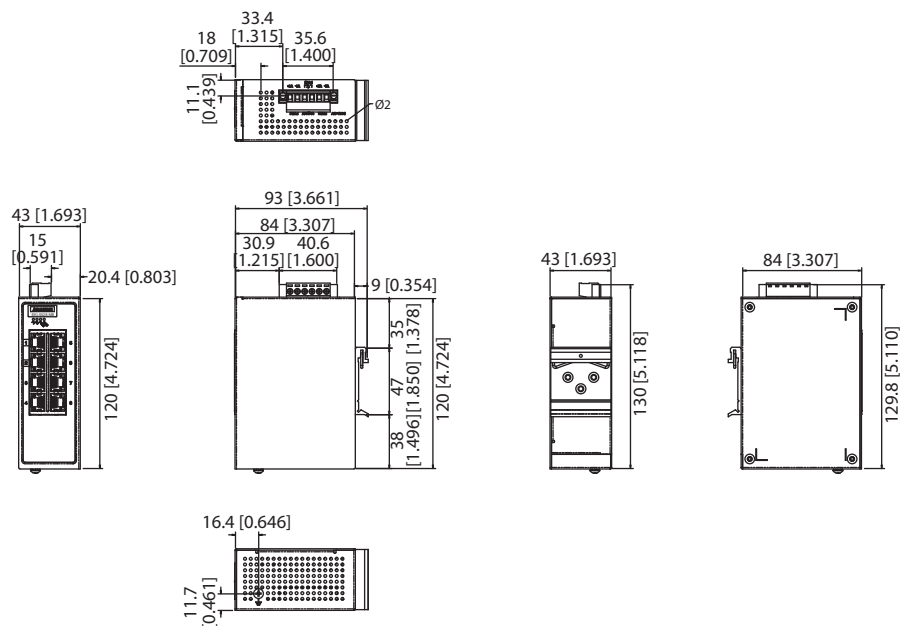
## Dimensions

Unit: mm [inch]

### EKI-5526/I-MB



### EKI-5528/I-MB



### Security

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

### Management

- **DHCP** Client, Option 82
- **Access** SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB
- **Software upgrade** TFTP, HTTP, Dual Image
- **NTP** SNTP client
- **Data** Syslog
- **Protocols** IPV6, LLDP, Modbus/TCP

### Ordering Information

- **EKI-5526-MB-AE** 16 port entry-level managed switch support Modbus/TCP
- **EKI-5526I-MB-AE** 16 port entry-level managed switch support Modbus/TCP w/wide temp.
- **EKI-5528-MB-AE** 8 port entry-level managed switch support Modbus/TCP
- **EKI-5528I-MB-AE** 8 port entry-level managed switch support Modbus/TCP w/wide temp.