

# 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

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## 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
- XM 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-5526-I-MB & EKI-5528-I-MB: -40 ~ 75°C (-40 ~ 167°F) EKI-5526-MB & EKI-5528-MB: -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-MB: 4,176,861 hours EKI-5526/I-MB: 2,788,343 hours

### 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
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

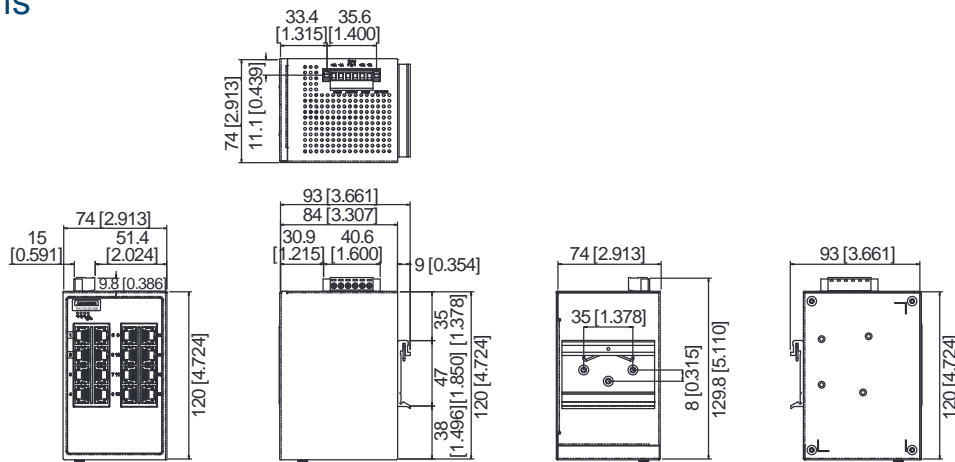
### QoS

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

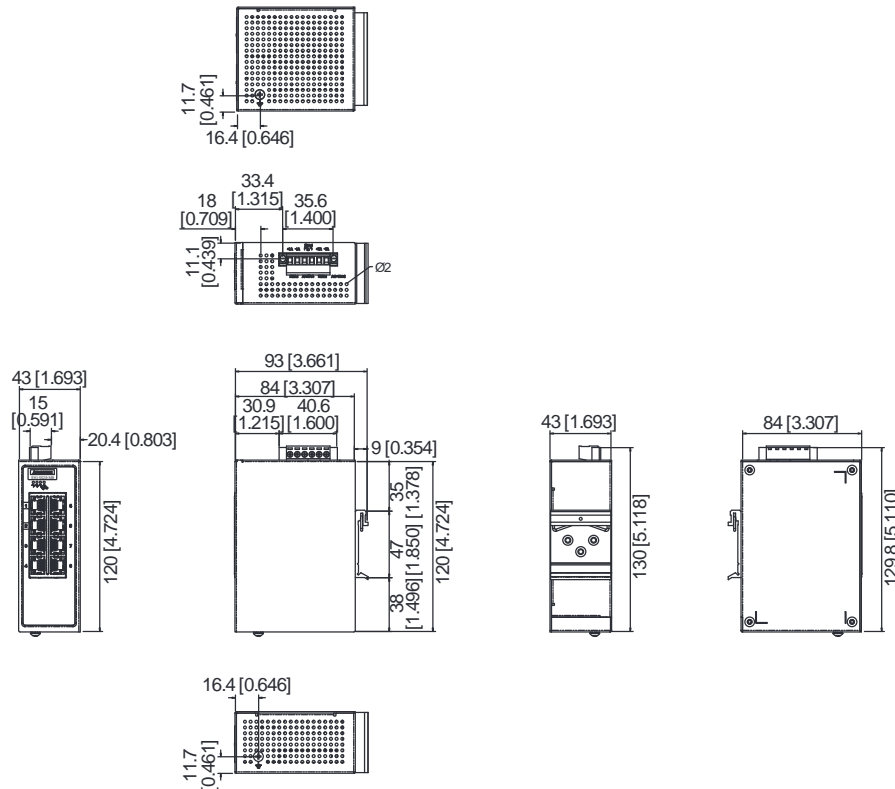
## Dimensions

Unit: mm [inch]

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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.