

# EKI-5626C/CI-MB EKI-5629C/CI-MB

16 + 2G Combo ports Entry-Level Managed Switch Supporting Modbus/TCP  
8 + 2G Combo ports Entry-Level Managed Switch Supporting Modbus/TCP



EKI-5626C/CI-MB

EKI-5629C/CI-MB



## Features

- ③ 16 Fast Ethernet ports + 2 Gigabit Copper/SFP combo ports (EKI-5626C/CI-MB) & 8 Fast Ethernet ports + 2 Gigabit Copper/SFP combo ports (EKI-5629C/CI-MB)
- ③ Entry-Level Managed Switch
- ③ IXM function enables fast deployment
- ③ Management: SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB

## Introduction

The EKI-5626C/CI-MB and EKI-5629C/CI-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

- 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 100m (4-wire Cat.5e, Cat.6)  
RJ-45 cable suggested for Gigabit port  
SFP: UP to 110km (depends on SFP)
- ③ **Transmission Speed Ethernet**  
Ethernet: 10/100Mbps Auto-Negotiation  
Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation  
Gigabit Fiber: UP to 1000Mbps

### Interface

- ③ **I/O Port** EKI-5626C/CI-MB: 16 x RJ-45 + 2 x RJ-45/SFP combo ports  
EKI-5629C/CI-MB: 8 x RJ-45 + 2 x RJ-45/SFP combo ports
- ③ **Power Connector** 6-pin screw Terminal
- ③ Block (including relay)

### Physical

- ③ **Enclosure** Metal Shell
- ③ **Protection Class** IP 30
- ③ **Installation** DIN-Rail
- ③ **Dimensions (W x H x D)** 74 x 120 x 84 mm

### LED Display

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

### Environment

- ③ **Operating Temperature** EKI-5626C/CI-MB & EKI-5629C/CI-MB: -40 ~ 75°C (-40 ~ 167°F)  
EKI-5626C-MB & EKI-5629C-MB: -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)
- ③ **MTBF** EKI-5626C/CI-MB: 2,825,281 hours  
EKI-5629C/CI-MB: 3,183,604 hours

## Power

③ Max 8.2W

③ redundant dual power input  
③

## Certification

③  
③  
③ **EMC**

③ **Shock**

③  
③

## L2 Features

③  
③  
③  
③  
③  
③

**Power Consumption** EKI-5626C/CI-MB:

EKI-5629C/CI-MB: Max 5.8W  
**Power Input** 12~48V<sub>DC</sub>(8.4~52.8V<sub>DC</sub>),

**Fault Output** 1 Relay Output

**EMI** CE, FCC Class A  
**Safety** UL508, Class 1 Division 2, ATEX  
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  
**Freefall** IEC 60068-2-32  
**Vibration** IEC 60068-2-6

**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

③ unicast  
③ IEEE802.1w-RSTP,

## QoS

③ (Strict Scheduling  
**Scheduling**  
③ IP TOS, DSCP based CoS  
③  
③ Port Trunking, Static Port Trunking

Snooping, IGMP Immediate leave  
**Storm Control** Broadcast, Multicast, Unknown  
**Redundancy** IEEE 802.1D-STP, IEEE 802.1s-MSTP,  
X-Ring, with ultra high-speed recovery time less than  
20ms

**Priority Queue** WRR (Weighted Round Robin), SP  
Priority) Hybrid Priority  
**Class of Service** IEEE 802.1p Based CoS,  
**Rate Limiting** Ingress Rate limit, Egress Rate limit  
**Link Aggregation** IEEE 802.3ad Dynamic

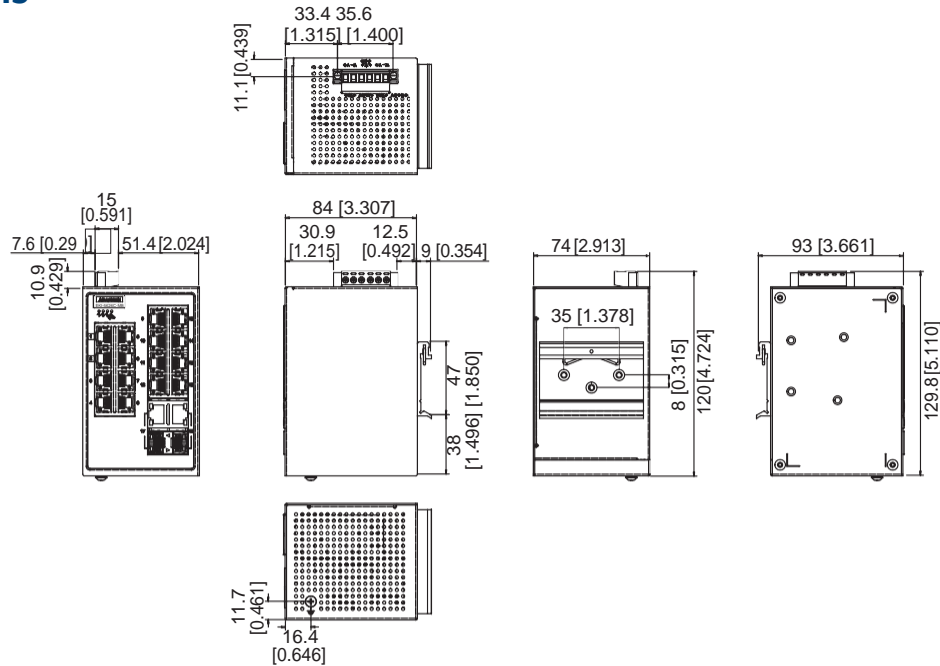
## Security

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

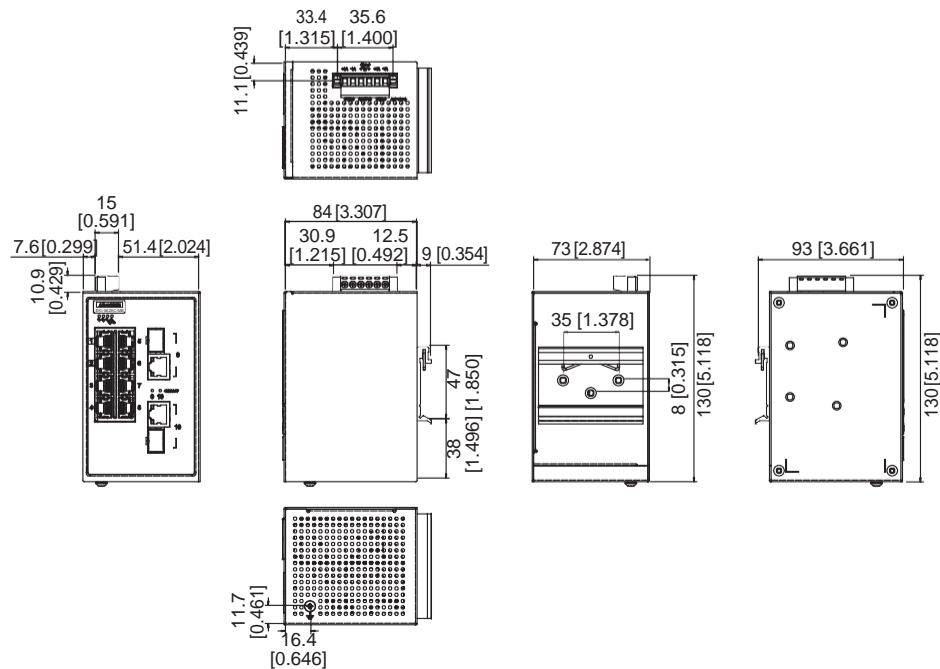
## Dimensions

Unit: mm [inch]

### EKI-5626C/CI-MB



### EKI-5629C/CI-MB



## Management

③	<b>DHCP Access</b>	Client, Option 82 SNMP v1/v2c/v3, WEB,
③	Standard MIB, Private MIB	
③	<b>Software upgrade</b>	TFTP, HTTP,
③	Dual Image	
③	<b>NTP</b>	SNTP client
③	<b>Data Protocols</b>	Syslog IPv6, LLDP, Modbus/TCP

## Ordering Information

③	<b>EKI-5626C-MB-AE</b>	16 + 2G Combo ports
	entry-level managed switch Support	
③	<b>EKI-5626CI-MB-AE</b>	16 + 2G Combo ports
	entry-level managed switch support	Modbus/TCP
③	<b>EKI-5629C-MB-AE</b>	8 + 2G Combo ports entry-
	level managed switch support	w/wide temp.
③	<b>EKI-5629CI-MB-AE</b>	8 + 2G Combo ports entry-
	level managed switch support	Modbus/TCP
		Modbus/TCP w/wide temp.

