

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

③ **MTBF** EKI-5626C/CI-MB: 2,825,281 hours
EKI-5629C/CI-MB: 3,183,604 hours

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-
- ③ 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)

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_{DC}(8.4~52.8V_{DC}),
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

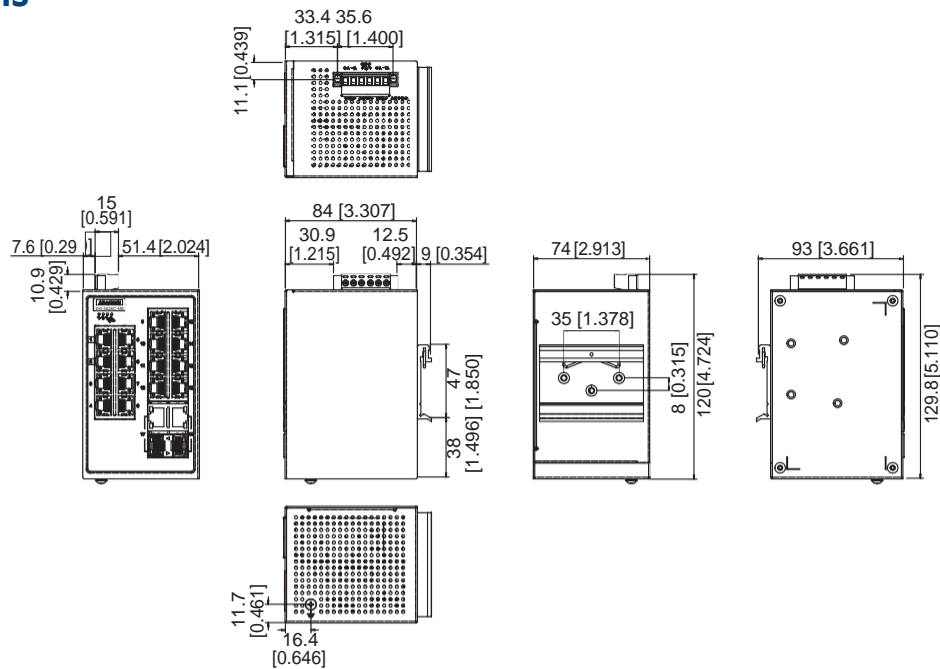
Security

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

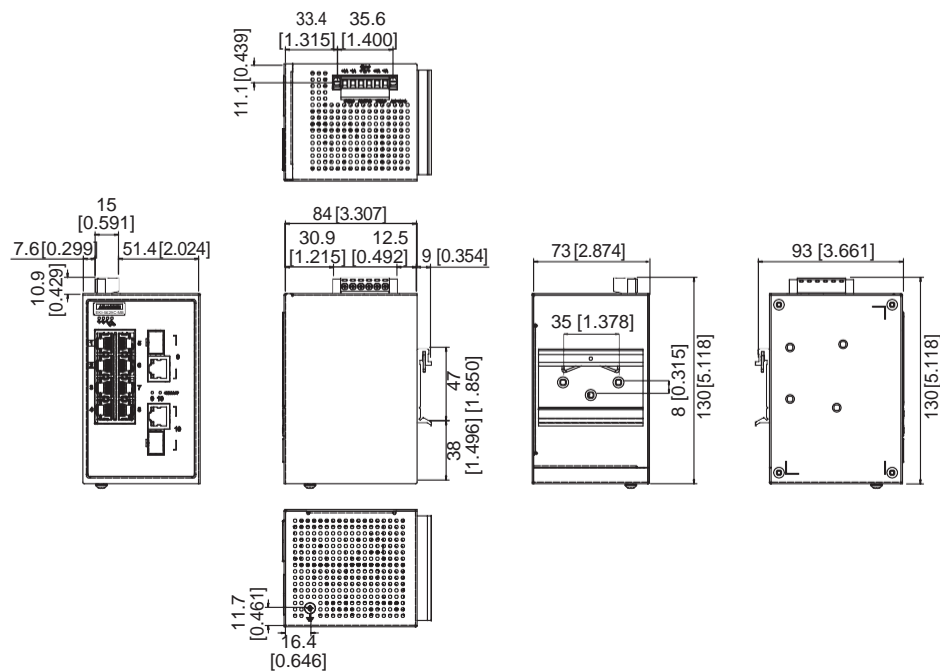
Dimensions

Unit: mm [inch]

EKI-5626C/CI-MB



EKI-5629C/CI-MB



Management

③	DHCP	Client, Option 82
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, Modbus/TCP

Ordering Information

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

