

EKI-5626C/I-EI EKI-5629C/I-EI

16 + 2G Combo ports Entry-Level Managed Switch Supporting EtherNet/IP

8 + 2G Combo ports Entry-Level Managed Switch Supporting EtherNet/IP



EKI-5626C/I-EI

EKI-5629C/I-EI



Features

- ③ 16 Fast Ethernet ports + 2 Gigabit Copper/SFP combo ports (EKI-5626C/I-EI) & 8 Fast Ethernet ports + 2 Gigabit Copper/SFP combo ports (EKI-5629C/I-EI)
- ③ Entry-Level Managed Switch
- ③ IXM function enables fast deployment
- ③ Provides EtherNet/IP EDS (Electronic Data Sheet) file, AOI (Add-On Instructions) file, and FactoryTalk® View faceplate
- ③ Management: SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB

Introduction

The EKI-5626C/I-EI and EKI-5629C/I-EI are a new generation of entry-level managed switch products. They support the EtherNet/IP protocol to communicate with Ethernet/IP based PLCs. Advantech also provides the FactoryTalk® View compliant faceplate, so users can easily integrate the switch with Allen-Bradley® PLCs. "Electronic Data Sheet" (EDS files) are also available for users to customize faceplate. 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)
- ③ **Transmission Speed Ethernet** RJ-45 cable suggested for Gigabit port
SFP: UP to 110km (depends on SFP)
- ③ **Transmission Speed Ethernet** Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation
Gigabit Fiber: UP to 1000Mbps

Interface

- ③ **I/O Port** EKI-5626C/I-EI: 16 x RJ-45 + 2 x RJ-45/SFP combo ports
EKI-5629C/I-EI: 8 x RJ-45 + 2 x RJ-45/SFP combo ports
- ③ **Power Connector** 6-pins screw
- ③ **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)** 74 x 120 x 84 mm

LED Display

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

Environment

- ③ **Operating Temperature** EKI-5626C-I-EI & EKI-5629C-I-EI: -40 ~ 75°C (-40 ~ 167°F)
EKI-5626C-EI & EKI-5629C-EI: -10 ~ 60°C (14 ~ 140°F)
- ③ **Storage Temperature** -40 ~ 85°C
- ③ **Ambient Relative Humidity** 10 ~ 95% (non-condensing)

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- ③ **MTBF**

Humidity 10 ~ 95% (non-condensing)

EKI-5626C/I-EI: 2,825,281 hours
EKI-5629C/I-EI: 3,183,604 hours

Power

- ③ Max 8.2W
- ③ EKI-5629C/I-EI: Max 5.8W
- ③ **Power Input** 12~48V_{DC}(8.4~52.8V_{DC}),
- ③ **redundant dual power input**
- ③ **Fault Output** 1 Relay Output

Certification

- ③ **EMI** CE, FCC Class A
- ③ **Safety** UL508, Class 1 Division 2,
- ③ 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
Storm Control Broadcast, Multicast, Unknown

- ③ unicast
- ③ IEEE802.1w-RSTP,

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

QoS

- ③ **Priority Queue** WRR(WeightedRoundRobin), SP
- ③ (Strict Scheduling
- ③ **Scheduling** Priority) Hybrid Priority
- ③ **Class of Service** IEEE 802.1p Based CoS,
- ③ IPTOS, DSCP based CoS
- ③ **Rate Limiting** Ingress Rate limit, Egress Rate limit
- ③ **Link Aggregation** IEEE 802.3ad Dynamic
- ③ Port Trunking, Static Port Trunking

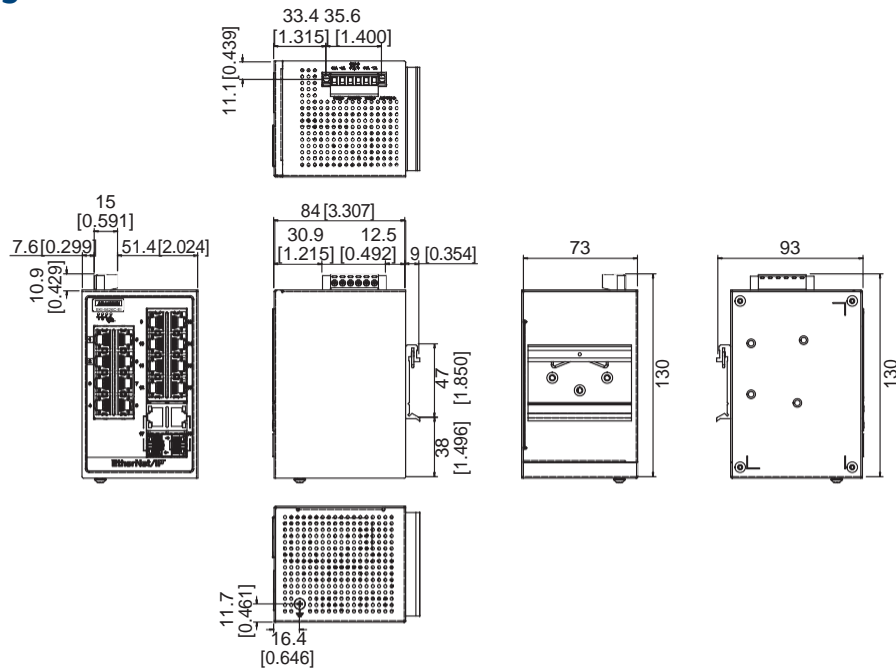
Security

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

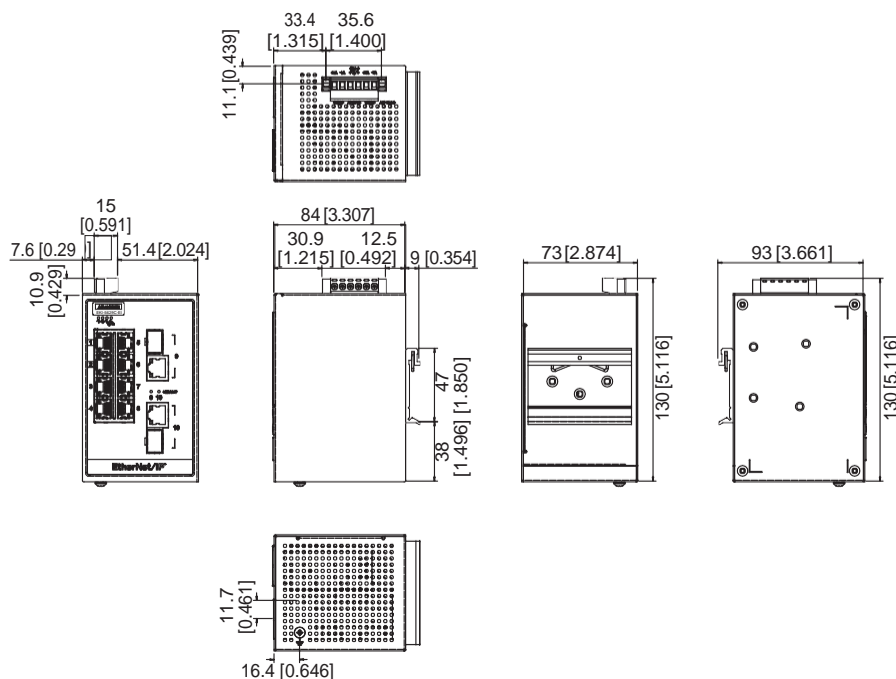
Dimensions

Unit: mm [inch]

EKI-5626C/I-EI



EKI-5629C/I-EI



Management

- ③ Client, Option 82
- ③ Standard MIB, Private MIB
- ③ Dual Image
- ③
- ③
- ③

DHCP	
Access	SNMP v1/v2c/v3, WEB,
Software upgrade	TFTP, HTTP,
NTP	SNTP client
Data	Syslog
Protocols	IPV6, LLDP, EtherNet/IP

Ordering Information

③ entry-level managed switch support	EKI-5626C-EI-AE	16+2G Combo ports
③	EtherNet/IP EKI-5626CI-EI-AE	16 + 2G Combo ports entry-level managed switch support EtherNet/IP w/wide temp.
③ level managed switch support	EKI-5629C-EI-AE	8+2G Combo ports entry-
③	EtherNet/IP EKI-5629CI-EI-AE	8 + 2G Combo ports entry-level managed switch support EtherNet/IP w/wide temp.

