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**



Features

- 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)
- Entry-Level Managed Switch
- IXM function enables fast deployment
- Provides EtherNet/IP EDS (Electronic Data Sheet) file, AOI (Add-On Instructions) file, and FactoryTalk® View faceplate
- 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

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)

Ethernet: UP to 100m (4-wire Cat.5e, Cat.6 Transmission Distance RJ-45 cable suggested for Gigabit port) SFP: UP to 110km (depends on SFP)

 Transmission Speed Ethernet Ethernet: 10/100Mbps Auto-Negotiation Gigabit Copper: 10/100/1000Mbps, Auto-Negotiation

Interface

 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

Gigabit Fiber: UP to 1000Mbps

combo ports

Power Connector 6-pin screw Terminal Block (including relay)

74 x 120 x 84 mm

Physical

Enclosure Metal Shell **Protection Class** IP 30 Installation DIN-Rail

Dimensions (W x H x D)

LED Display

System LED PWR1, PWR2, P-Fail, Loop detection

Port LED Link / Speed / Activity

Environment

Operating Temperature

-10 ~ 60°C (14 ~ 140°F)

Storage TemperatureAmbient Relative Humidity

Humidity MTBF

EKI-5626CI-EI & EKI-5629CI-EI: -40 ~ 75°C (-40 ~ 167°F) EKI-5626C-EI & EKI-5629C-EI: -40 ~ 85°C

10 ~ 95% (non-condensing) 10 ~ 95% (non-condensing) EKI-5626C/I-EI: 2,825,281 hours EKI-5629C/I-EI: 3,183,604 hours Power

Power Consumption EKI-5626C/I-EI: Max 8.2W EKI-5629C/I-EI: Max 5.8W

Power Input $12 \sim 48 \text{ V}_{DC}$ (8.4~52.8 V_{DC}), redundant dual power input Fault Output 1 Relay Output

Certification

EMI CE, FCC Class A Safety UL508, Class 1 Division 2, ATEX

EN 61000-4-2; EN 61000-4-3; EN 61000-4-4; **EMC** EN 61000-4-5; EN 61000-4-6; EN 61000-4-8

IEC 60068-2-27 Shock Freefall IEC 60068-2-32 **Vibration** IEC 60068-2-6

L2 Features

L2 MAC Address 9216 Bytes Jumbo Frame 256 (VLAN ID 1~4094) VLAN Group

Port based VLAN, GVRP **VLAN Arrange** Per port, Multi-source port, IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave Port Mirroring IP Multicast Storm Control

Broadcast, Multicast, Unknown unicast IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, Redundancy X-Ring, with ultra high-speed recovery time less than

QoS

Priority Queue WRR (Weighted Round Robin), SP (Strict Scheduling Scheduling Priority) Hybrid Priority Class of Service IEEE 802.1p Based CoS, IP TOS, DSCP based CoS Ingress Rate limit, Egress Rate limit

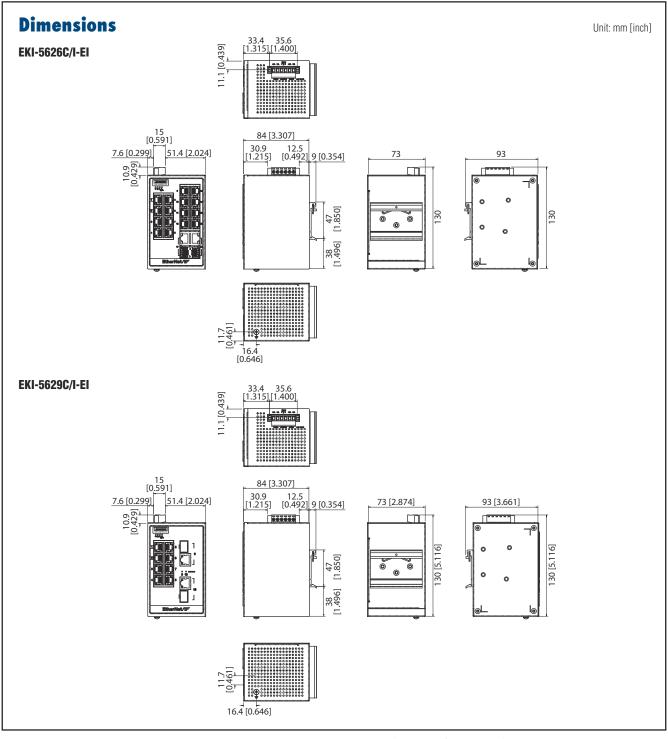
Rate Limiting

IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking **Link Aggregation**

Security

Port Security Static, Dynamic, MAC address filtering

802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption) Authentication



Management

- DHCP
- Access
- Software upgrade
- NTP
- Data
- Protocols

Client, Option 82

SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB

TFTP, HTTP, Dual Image

SNTP client

Syslog

IPV6, LLDP, EtherNet/IP

Ordering Information

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

8 + 2G Combo ports entry-level managed switch support EtherNet/IP w/wide temp.