

# EKI-5526/I-EI

# EKI-5528/I-EI

**16 port Entry-Level Managed Switch  
Supporting EtherNet/IP**

**8 port Entry-Level Managed Switch  
Supporting EtherNet/IP**



## Features

- 16 ports Fast Ethernet RJ-45 (EKI-5526/I-EI) & 8 ports Fast Ethernet RJ-45 (EKI-5528/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-5526/I-EI and EKI-5528/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),
- **Transmission Distance** Ethernet: Up to 100 m
- **Transmission Speed Ethernet** 10/100 Mbps Auto-Negotiation

### Interface

- **I/O Port** EKI-5526/I-EI: 16 x RJ-45  
EKI-5528/I-EI: 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-EI: 74 x 120 x 84 mm  
EKI-5528/I-EI: 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-5526I-EI & EKI-5528I-EI: -40 ~ 75°C (-40 ~ 167°F)  
EKI-5526-EI & EKI-5528-EI: -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-EI: 4,176,861 hours  
EKI-5526/I-EI: 2,788,343 hours

### Power

- **Power Consumption** EKI-5526/I-EI: Max. 8 W  
EKI-5528/I-EI: 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

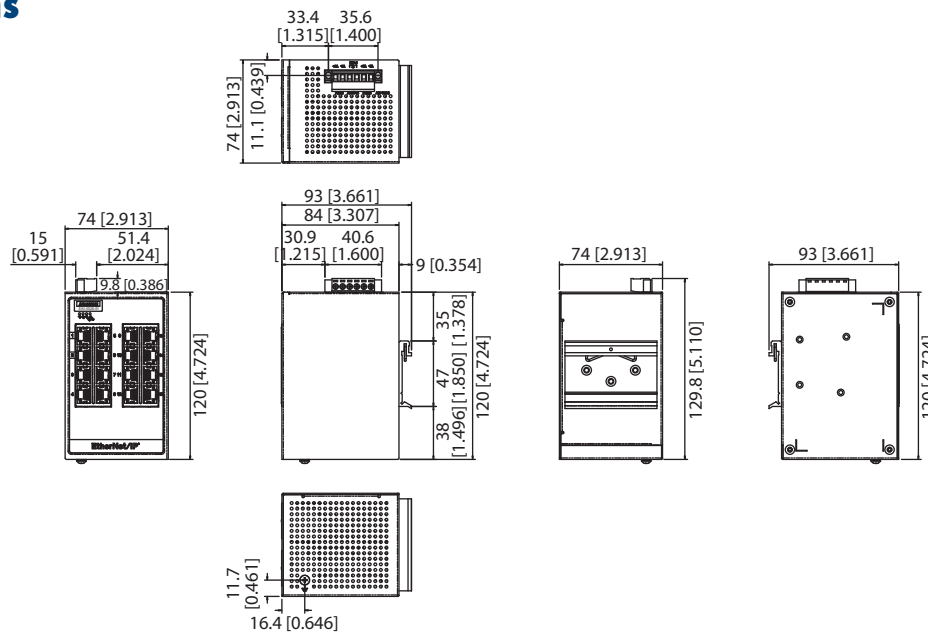
### QoS

- **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

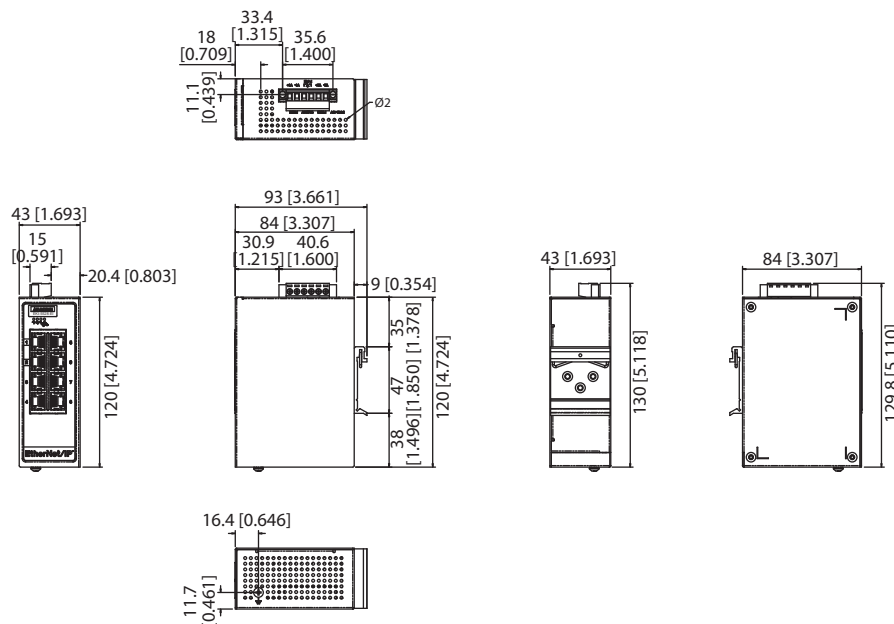
## Dimensions

Unit: mm [inch]

### EKI-5526/I-EI



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### 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, EtherNet/IP

### Ordering Information

- **EKI-5526-EI-AE** 16 port entry-level managed switch support EtherNet/IP
- **EKI-5526I-EI-AE** 16 port entry-level managed switch support EtherNet/IP w/wide temp.
- **EKI-5528-EI-AE** 8 port entry-level managed switch support EtherNet/IP
- **EKI-5528I-EI-AE** 8 port entry-level managed switch support EtherNet/IP w/wide temp.