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

EKI-5526/I-EI   EKI-5528/I-EI

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

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 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 their faceplate. The devices come in a compact metal housing that is IP30 rated to protect against dusty industrial environments. The wide power input power (8.4 to 52.8 V_{DC}) 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_{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
- **EMC**   EN 61000-4-2; EN 61000-4-3; EN 61000-4-4;

- **Shock**   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 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

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.

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