

EKI-5526/I-MB EKI-5528/I-MB

16 port Entry-Level Managed Switch
Supporting Modbus/TCP

8 port Entry-Level Managed Switch
Supporting Modbus/TCP



Features

- ③ 16 ports Fast Ethernet RJ-45 (EKI-5526/I-MB) & 8 ports Fast Ethernet RJ-45 (EKI-5528/I-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-5526/I-MB and EKI-5528/I-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 Ethernet: Up to 100 m
- ③ **Transmission Speed Ethernet** 10/100Mbps Auto-Negotiation

Interface

- ③ **I/O Port** EKI-5526/I-MB: 16 x RJ-45
EKI-5528/I-MB: 8 x RJ-45
- ③ **Power Connector** 6-pin screw 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)** EKI-5526/I-MB: 74 x 120 x 84 mm
EKI-5528/I-MB: 43 x 120 x 84 mm

LED Display

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

Environment

- ③ **Operating Temperature** EKI-5526-I-MB & EKI-5528-I-MB: -40 ~ 75°C (-40 ~ 167°F)
EKI-5526-MB & EKI-5528-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)
- ③ **MTBF** EKI-5528/I-MB: 4,176,861 hours
EKI-5526/I-MB: 2,788,343 hours

Power

③ Max. 8 W

Power Consumption EKI-5526/I-MB:

EKI-5528/I-MB: Max. 5.2 W

③
③ redundant dual power input

Power Input 12~48V_{DC} (8.4~52.8V_{DC}),

③ **Fault Output** 1 Relay Output

Certification

③
③ ATEX
③ **EMC**

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

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

③ **Shock**

Freefall IEC 60068-2-32

③ **Vibration** IEC 60068-2-6

L2 Features

③
③
③

L2 MAC Address 8K

Jumbo Frame 9216 Bytes

VLAN Group 256 (VLAN ID 1~4094)

③
③
③

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

③ unicast
③ IEEE

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

QoS

③
③ (Strict Scheduling
Scheduling

Priority Queue WRR (Weighted Round Robin), SP

Priority) Hybrid Priority

③ IP TOS, DSCP based CoS

Class of Service IEEE 802.1p Based CoS,

③ limit

Rate Limiting Ingress Rate limit, Egress Rate

③ Port Trunking, Static Port

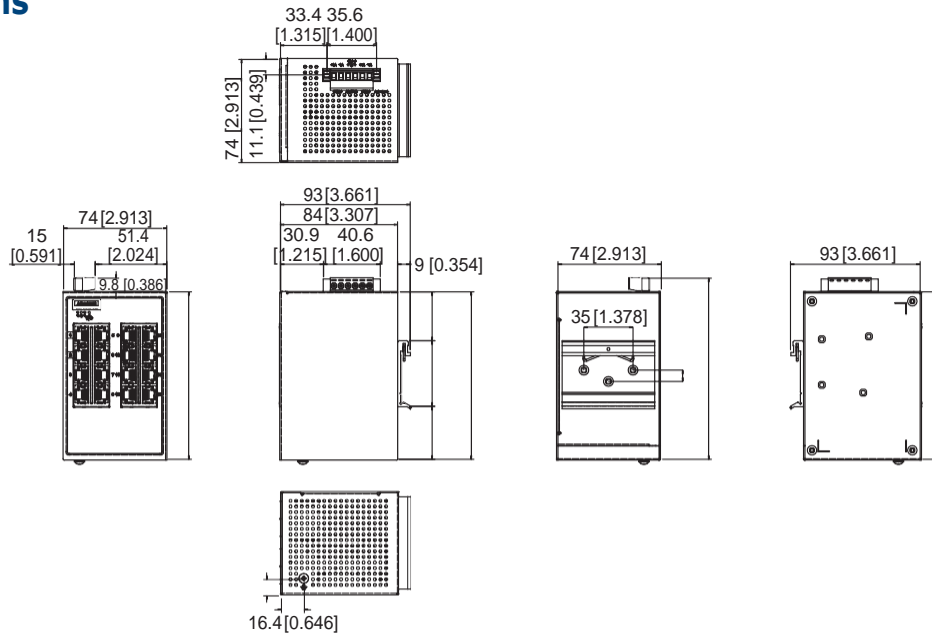
Link Aggregation IEEE 802.3ad Dynamic

Trunking

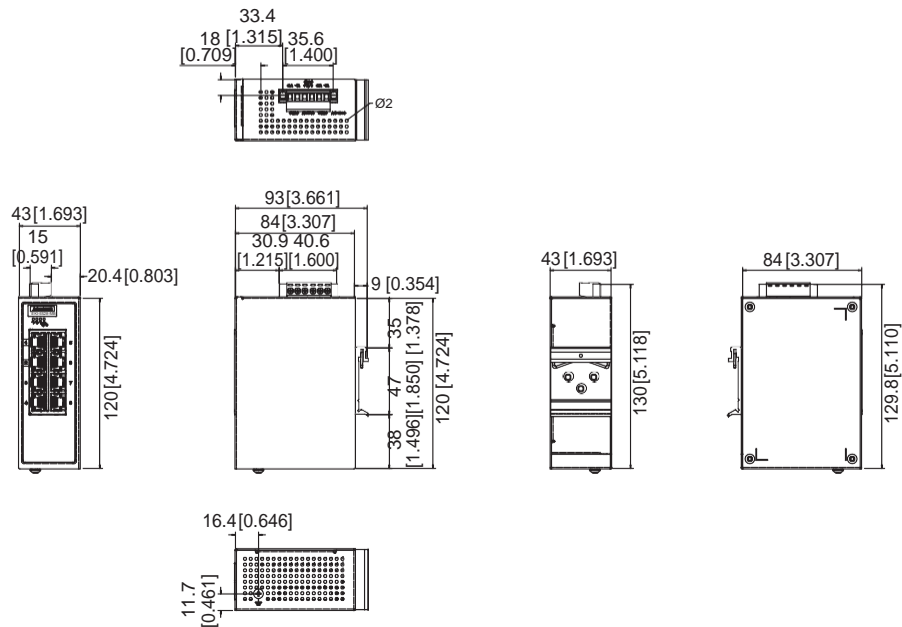
Dimensions

Unit: mm[inch]

EKI-5526/I-MB



EKI-5528/I-MB



Security

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

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 **NTPS** NTP client
- ③ **Data** Syslog
- ③ **Protocols** IPV6, LLDP, Modbus/TCP

Ordering Information

- ③ **EKI-5526-MB-AE** 16 port entry-level managed switch support Modbus/TCP
- ③ **EKI-5526I-MB-AE** 16 port entry-level managed switch support Modbus/TCP w/wide temp.
- ③ **EKI-5528-MB-AE** 8 port entry-level managed switch support Modbus/TCP
- ③ **EKI-5528I-MB-AE** 8 port entry-level managed switch support Modbus/TCP w/wide temp.

120 [4.724]

11.7
[0.461]

11.1
[0.439]

38 47 35
[1.496][1.850][1.378]
120 [4.724]

8 [0.315]
129.8 [5.110]

120 [4.724]