

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 **Power Input** 12~48V_{DC} (8.4~52.8V_{DC}),
redundant dual power input

Fault Output 1 Relay Output

Certification

③

EMI CE, FCC Class A

③

Safety UL508, Class 1 Division 2,

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
IEC 60068-2-27

③ **Shock**

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 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

Priority Queue WRR (Weighted Round Robin), SP

(Strict Scheduling

Scheduling

Priority) Hybrid Priority

③

Class of Service IEEE 802.1p Based CoS,

IP TOS, DSCP based CoS

③

Rate Limiting Ingress Rate limit, Egress Rate

limit

③

Link Aggregation IEEE 802.3ad Dynamic

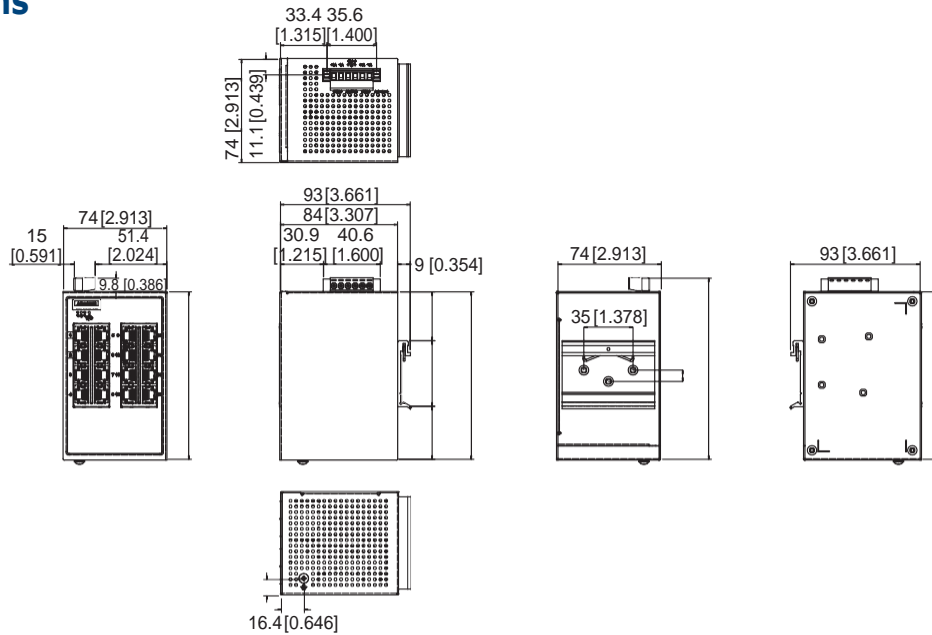
Port Trunking, Static Port

Trunking

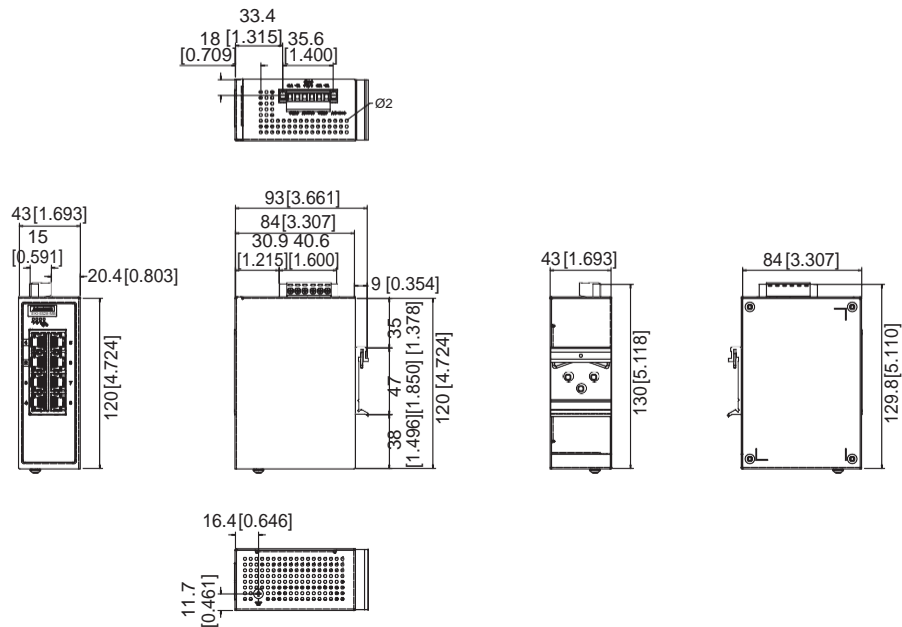
Dimensions

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]