EKI-5626C/CI-MB
EKI-5629C/CI-MB

16 + 2G Combo ports Entry-Level Managed Switch Supporting Modbus/TCP
8 + 2G Combo ports Entry-Level Managed Switch Supporting Modbus/TCP

Features

- 16 Fast Ethernet ports + 2 Gigabit Copper/SFP combo ports (EKI-5626C/CI-MB) & 8 Fast Ethernet ports + 2 Gigabit Copper/SFP combo ports (EKI-5629C/CI-MB)
- Entry-Level Managed Switch
- IXM function enables fast deployment
- Management: SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB

EKI-5626C/CI-MB   EKI-5629C/CI-MB

IPv6   5 Warranty Year   RoHS COMPLIANT 2011/65/EU   CE   FCC   c UL us LISTED E180881 I.T.E.

Introduction

The EKI-5626C/CI-MB and EKI-5629C/CI-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

- **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 100m (4-wire Cat.5e, Cat.6 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 Gigabit Fiber: UP to 1000Mbps

Interface

- **I/O Port**   EKI-5626C/CI-MB: 16 x RJ-45 + 2 x RJ-45/SFP combo ports EKI-5629C/CI-MB: 8 x RJ-45 + 2 x RJ-45/SFP combo ports
- **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)**   74 x 120 x 84 mm

LED Display

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

Environment

- **Operating Temperature**   EKI-5626CI-MB & EKI-5629CI-MB: -40 ~ 75°C (-40 ~ 167°F) EKI-5626C-MB & EKI-5629C-MB: -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-5626C/CI-MB: 2,825,281 hours EKI-5629C/CI-MB: 3,183,604 hours

Power

- **Power Consumption**   EKI-5626C/CI-MB: Max 8.2W EKI-5629C/CI-MB: Max 5.8W
- **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; 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
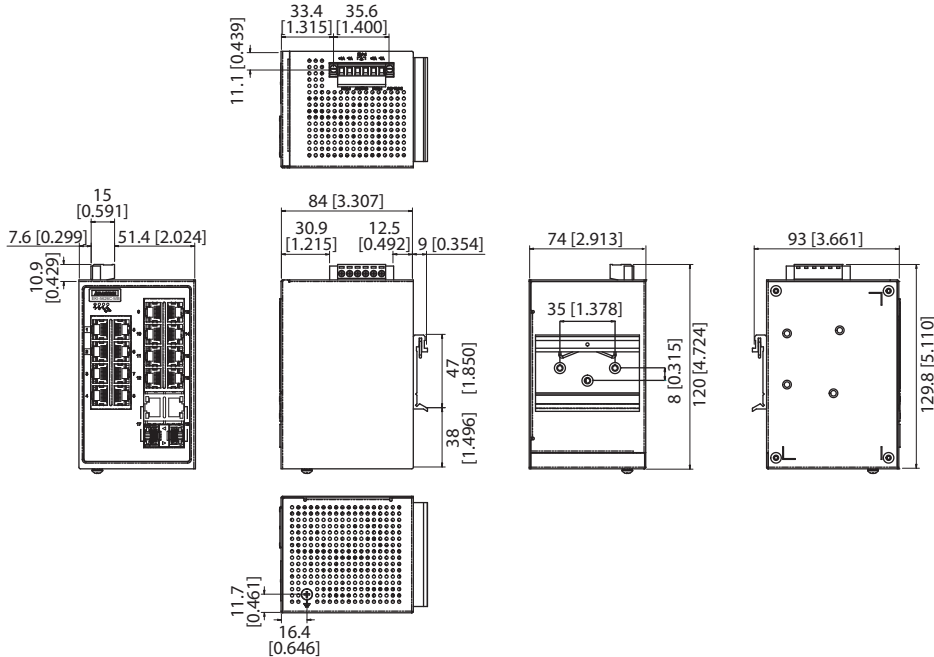- **Link Aggregation** IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking

Security

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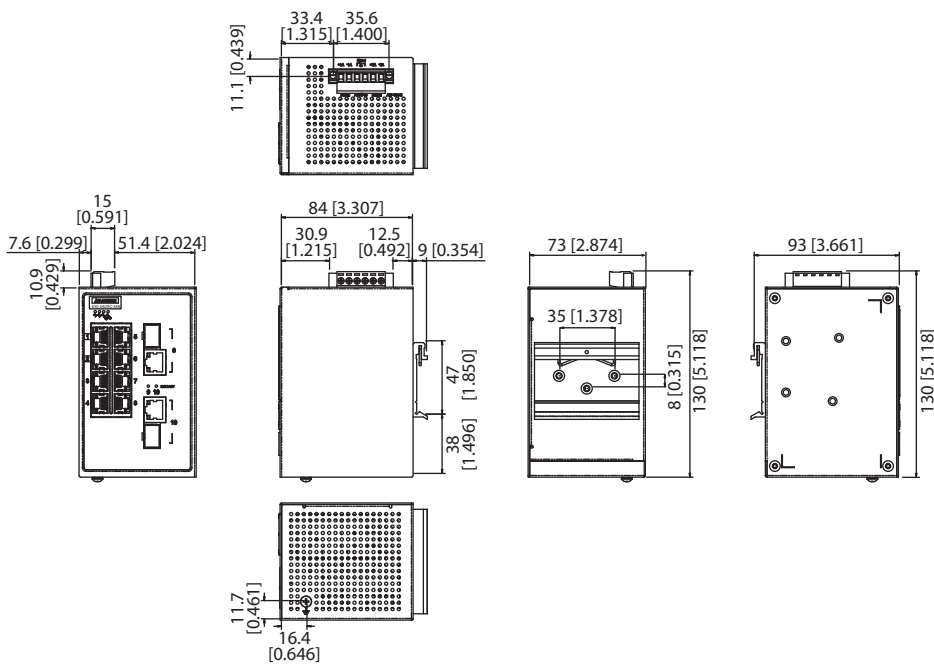- **Authentication**   802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)

Dimensions

Unit: mm [inch]

EKI-5626C/CI-MB

EKI-5629C/CI-MB

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, Modbus/TCP

Ordering Information

- **EKI-5626C-MB-AE** — 16 + 2G Combo ports entry-level managed switch Support Modbus/TCP
- **EKI-5626CI-MB-AE** — 16 + 2G Combo ports entry-level managed switch support Modbus/TCP w/wide temp.
- **EKI-5629C-MB-AE** — 8 + 2G Combo ports entry-level managed switch support Modbus/TCP
- **EKI-5629CI-MB-AE** — 8 + 2G Combo ports entry-level managed switch support Modbus/TCP w/wide temp.

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