

EKI-9505E

5 port M12 Unmanaged Industrial Ethernet Switch, IP67



Features

- M12 Connectors and IP67 housing
- Provides 5 fast Ethernet ports with Auto MDI/MDI-X
- Supports 10/100 Mbps auto-negotiation
- Supports single 12 ~ 48 V_{DC} power input
- Supports wide operating temperature range from -40 to 75 °C
- Ultra compact size

Introduction

The EKI-9505E is a rugged 5-port M12 Fast Ethernet switch engineered for extreme environments. Featuring an IP67-rated, vibration-proof design, it ensures rock-solid connectivity for AMRs, heavy-duty machinery, and industrial automation. Its compact form factor and M12 connectors provide secure, reliable data transmission in high-impact, dust-heavy, or moisture-prone applications.

Specifications

Communications

- **Standard IEEE** 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-T (X)
- **Transmission Speed** Up to 100 Mbps

Interface

- **Connectors** 8 x M12 with D-code
4-pin M12 A-code for Power Connection
- **LED Indicators** Power
10/100T (X): Link/Activity

Power

- **Power Consumption** 2 Watts
- **Power Input** 12 ~ 48 V_{DC}
- **Operating Voltage** 9.6 ~57.6 V_{DC}

Mechanism

- **Dimensions (W x H x D)** 59.6 x 119.6 x 28 mm (2.346" x 4.709" x 1.1")
- **Enclosure** IP67, Die-cast zinc front panel and sheet metal bottom
- **Mounting** Wall Mount

Protection

- **Reverse Polarity** Present
- **Overload current** Present

Environment

- **Operating Temperature** -40 ~ 75 °C (-40 ~ 167 °F)
- **Storage Temperature** -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity** 55°C/95% (non-condensing)
- **Storage Humidity** 70°C/95% (non-condensing)

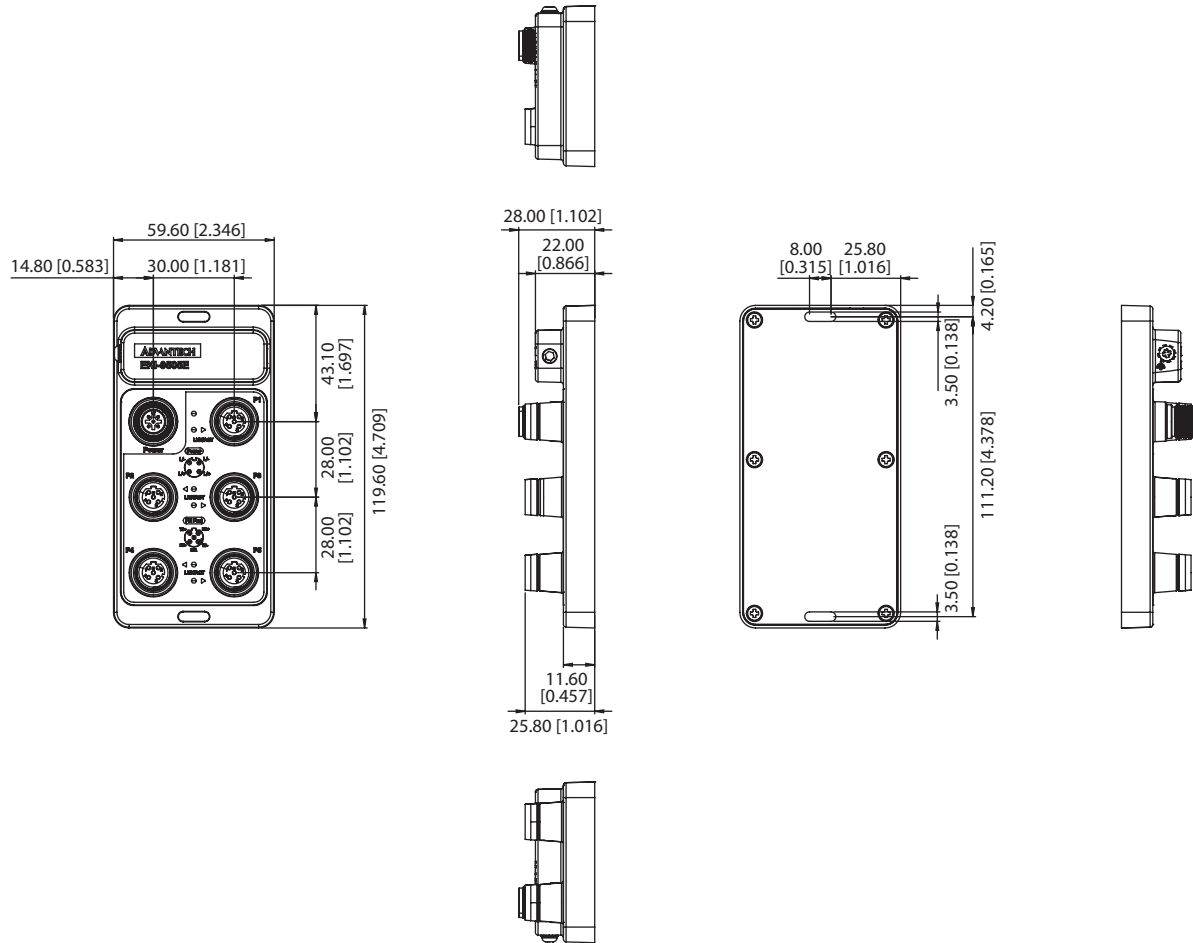
Certification

- **EMC** CE, EN55011/ 55032/ 55035;
FCC Part 15 Subpart B class A
- **EMS** EN61000-4-2 (ESD); EN61000-4-3 (RS);
EN61000-4-4 (EFT); EN61000-4-5 (Surge);
EN61000-4-6 (CS)
- **Shock** EN61373
- **Vibration** EN61373
- **Freefall** IEC60068-2-31
- **In-Vehicle** E-MARK**
- **Other** EN61000-6-4, EN61000-6-2

** : Design compliant , certificate by requested

Dimensions

Unit: mm



Panel Cut-out Dimensions: 59.6 x 119.6 x 28 mm (2.346" x 4.709" x 1.1")

Ordering Information

- EKI-9505E-L-A 5 port M12 Ethernet Switch w/ IP67 and Wide Temp