

EKI-25481

8Tx Managed Ethernet Switch with Wide Temperature



Features

- All Fast Ethernet ports for 8 Copper (EKI-25481)
- Redundancy: Advantech X-Ring Pro, Dual Homing, Couple Ring, and RSTP/STP (802.1w/1d)
- Configuration: SNMP v1/v2c, Web
- Backplane (Switching Fabric): 1.6 Gbps
- Dual 12 ~ 48 V_{DC} power input and 1 relay output
- Supports wide operating temperature -40 ~ 75°C
- DIP switch for configure port alarm and enable Ring master

Introduction

EKI-25481 is a cost effective managed industrial Ethernet switch which supports Fast Ethernet. To enhance reliability in industrial communication network, it equipped with Advantech owned redundant network protocol -- X-Ring Pro, which provides users with an easy way to establish a redundant Ethernet network with ultra high-speed recovery time less than 20 ms. Furthermore, EKI-25481 also supports advanced network standards to optimize network performance, reduce maintenance cost, and secure network safety.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x, 802.1d, 802.1w, 802.1p, 802.1Q
- **LAN** 10/100Base-TX
- **Transmission Distance** Ethernet : Up to 100 m
- **Transmission Speed** Up to 100 Mbps

Interface

- **Connectors** 8 x RJ45 ports
- **LED Indicators** System: PWR1, PWR2, P-Fail, R-Master
Ethernet port: Link/Activity, Speed
Fiber port: Link/Activity
- **Reset Button** Reset and restore to factory default

Network Management

- **Configuration** SNMP v1/v2c, Web
- **VLAN** IEEE 802.1Q, Port based VLAN
- **Redundancy** Advantech X-Ring Pro, Dual Homing, Couple Ring, IEEE 802.1d STP, and IEEE 802.1w RSTP
- **Security** IP access security
- **Traffic Control** IGMP Snooping/Query for multicast group management, rate limit and storm control
- **Diagnostics** Port Mirroring, SNTp, Syslog, SNMP Trap, Email Alert

Mechanism

- **Enclosure** IP30, metal shell with solid mounting kits
- **Dimensions (W x H x D)** 59.6 x 152 x 105 mm (2.35" x 5.98" x 4.13")
- **Mounting** DIN-rail, Wall

Power

- **Power Consumption** Max. 7.6 W
- **Power Input** 12 ~ 48 V_{DC}, 24 V_{AC} (18 ~ 30 V_{AC})
- **Fault Output** 1 Relay Output, 1A @ 24 V_{DC}

Protection

- **Power Reverse** Present
- **Overload Current** Present

Environment

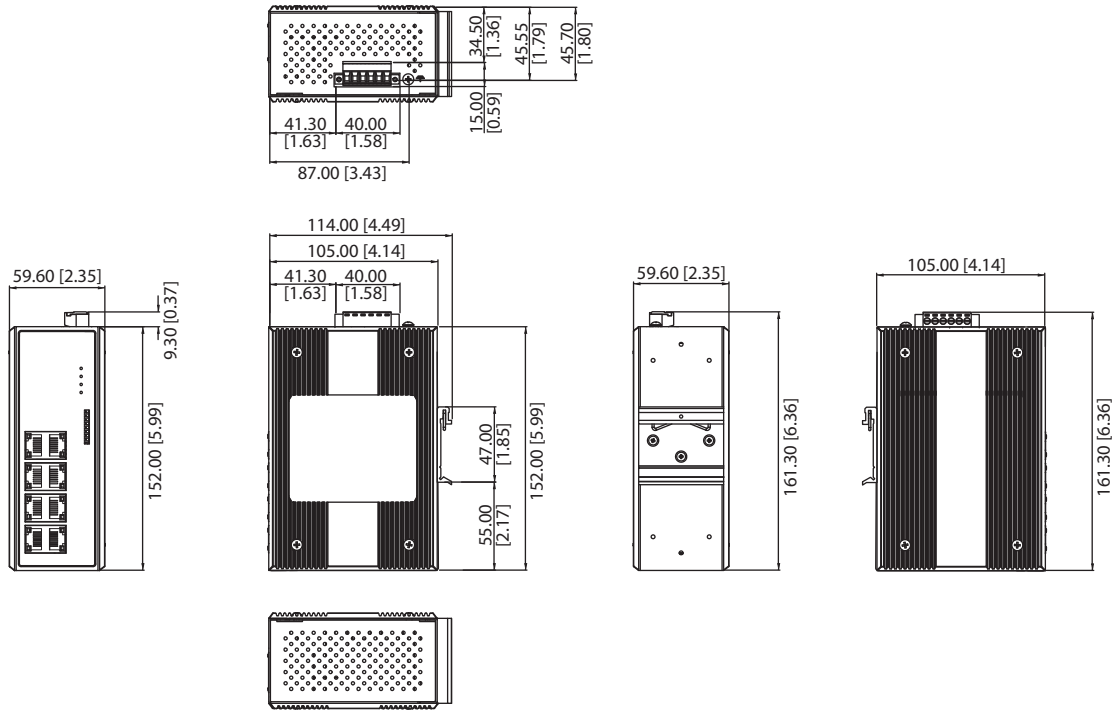
- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 5 ~ 95% (non-condensing)
- **MTBF** 215,266 hours

Certification

- **Safety** UL 508
Class 1, Division 2
FCC Part 15 Subpart B Class A, EN 55022 Class A
EN 61000-4-2
EN 61000-4-3
EN 61000-4-4
EN 61000-4-5
EN 61000-4-6
EN 61000-4-8
- **EMI**
- **EMS**
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6

Dimensions

Unit: [mm]



Panel Cut-out Dimensions: 114 x 152 x 59.6 mm (4.49" x 5.99" x 2.35")

Ordering Information

- EKI-2548I 8Tx Managed Ethernet Switch w/Wide Temp