Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

EKI-2548I

Features

- All Fast Ethernet ports for 8 Copper (EKI-2548I)
- 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-2548I 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-2548I 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

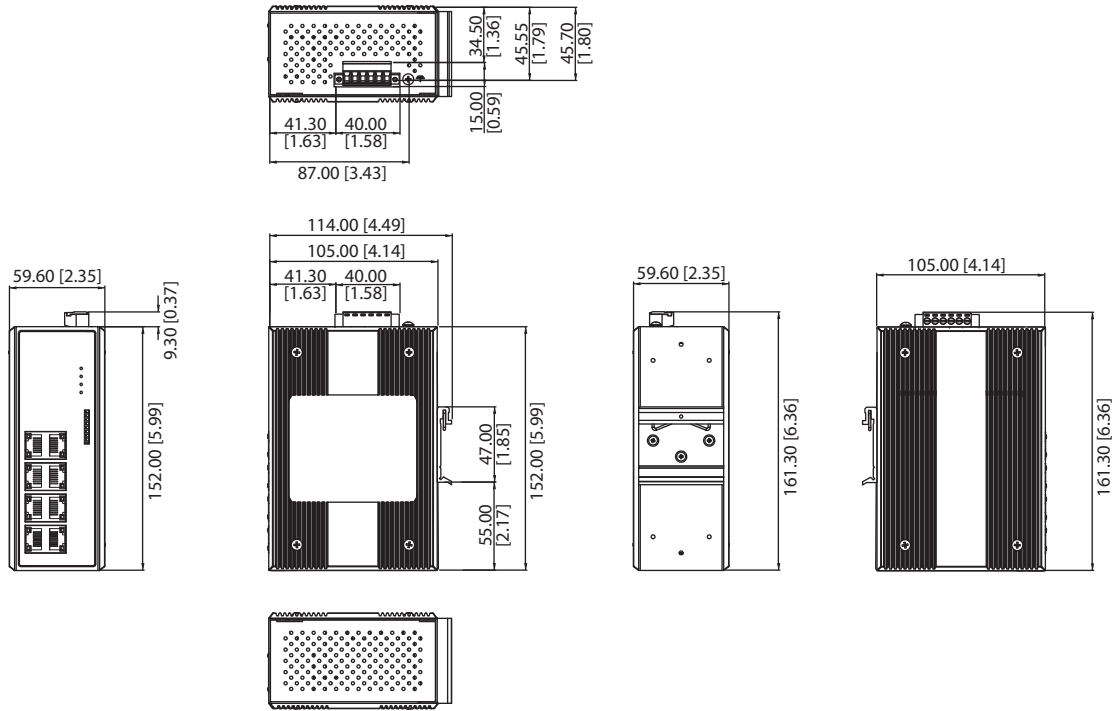|	
Power Reverse	Present
Overload Current	Present

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 I, Division 2
EMI	FCC Part 15 Subpart B Class A, EN 55022 Class A
EMS	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

Dimensions

Unit: [mm]

34.50 [1.36]
45.55 [1.79]
45.70 [1.80]
15.00 [0.59]
41.30 [1.63]
40.00 [1.58]
87.00 [3.43]

59.60 [2.35]
9.30 [0.37]
152.00 [5.99]

114.00 [4.49]
105.00 [4.14]
41.30 [1.63]
40.00 [1.58]
47.00 [1.85]
55.00 [2.17]
152.00 [5.99]

59.60 [2.35]
161.30 [6.36]

105.00 [4.14]
161.30 [6.36]

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