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.

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EKI-2428G-4CI

24GE+4GE Combo port
Unmanaged Industrial Ethernet Switch

Features

- 24 x Gigabit ports + 4 x Gigabit copper/SFP combo ports
- SFP socket for Easy and Flexible Fiber Expansion
- Provides 8K MAC address
- Supports 12-48V_{DC} power input
- -40 ~ 70°C wide-range operating temperature

Introduction

The EKI-2428G is an industrial-class unmanaged switch with 24 Gigabit ports and 4 Gigabit combo ports. It is designed for rack-mount installation, and can be deployed in demanding industrial environments. It is suitable for edge to core industrial networks. It is highly reliable with -40 ~ 70 °C wide temperature operation.

Specifications

Communications

- **Standard**: IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab
- **LAN**: 10/100/1000Base-T (X), optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX
- **Transmission Distance**: Ethernet: Up to 100 m (4- wire Cat.5e, Cat.6 RJ45 cable suggested for Gigabit port)
SFP: Up to 110 km (depends on SFP)
- **Transmission Speed**: Gigabit Copper: 10/100/1000 Mbps, auto-negotiation
Gigabit fiber: Up to 1000 Mbps

Interface

- **Connectors**: 24 x RJ45 (Ethernet)
4 x RJ45/SFP (mini-GBIC) combo ports
4-pin removable screw terminal (Power)
3-pin removable screw terminal (Relay)
- **LED Indicators**: 10/100T (X): Link/Activity
Gigabit Copper: Link/Activity, Speed (1000 Mbps)
SFP: Link/Activity

Mechanism

- **Enclosure**: IP30, metal shell with solid mounting kits
- **Dimensions (W x H x D)**: 438 x 43.6 x 259.20 mm (17.24" x 1.72" x 10.2")
- **Mounting**: 1U 19" rack mount

Power

- **Power Consumption**: 20W @ 24V
- **Power Input**: 12-48V_{DC}
- **Fault Output**: 2 relay outputs

Protection

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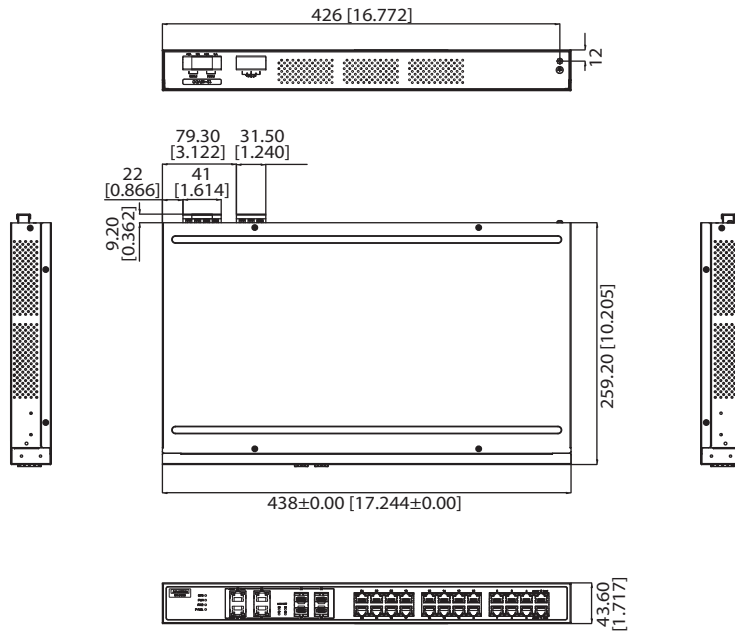- **Overload Current**: Present

Environment

- **Operating Temperature**: -40 ~ 70 °C (-40 ~ 158 °F)
- **Storage Temperature**: -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity**: 10 ~ 95% (non-condensing)
- **Storage Humidity**: 10 ~ 95% (non-condensing)
- **MTBF**: 787,940 hours

Certification

- **Safety**: UL 61010-2-201
- **EMI**: CE FCC EN55022 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 [inch]

426 [16.772]

12

79.30 [3.122]   31.50 [1.240]

22 [0.866]   41 [1.614]

9.20 [0.362]

259.20 [10.205]

438±0.00 [17.244±0.00]

43.60 [1.717]

Ordering Information

- **EKI-2428G-4CI-AE**   24GE+4GE Combo port unmanaged industrial Ethernet switch