

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

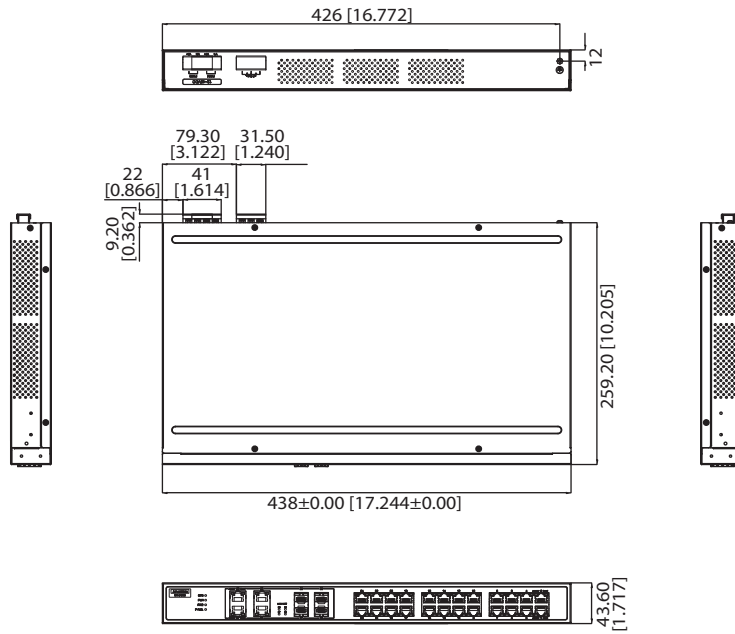
- **Operating Temperature** -40 ~ 70 °C (-40 ~ 158 °F)
- **Storage Temperature** -40 ~ 85 °C (-40 ~ 185 °F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** 787,940 hours

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]



Ordering Information

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



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