**EKI-9628G-4CI**

# 24G+4G Combo Ports Industrial L3 Managed Switch

**Features**

* Rackmount 24G+4G combo port L3 managed switch
* L3 function: static route, NAT
* SFP socket for easy and flexible fiber expansion
* Management: SNMP v1/v2c/v3, WEB, Telnet, standard MIB
* Security: 802.1x ,HTTPS, SSH, and SNMPv3
* Redundancy: Gigabit X-Ring Pro (ultra-high-speed recovery time, <20 ms), RSTP/STP (802.1w/1D), MSTP
* Wide operating temperature range of -40 ~ 70°C

   

RoHS

**COMPLIANT**

2002/95/EC

# Introduction

The EKI-9628G is an industrial-class L3 managed switch that supports static route and NAT. Embedded with 24 Gigabit ports and 4 Gigabit combo ports, it is designed for rackmount installation and can be deployed in demanding industrial environments. It is suitable for edge-to-core industrial networks and supports operating temperatures of -40 ~ 70°C. It is also embedded with Advantech IXM, which benefits users with fast deployment, which can dramatically save on engineering time and cost.

# 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-TX, 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, Duplex/Collision

Gigabit Copper: Link/Activity, Speed (1000 Mbps) SFP: Link/Activity

* **Console** RS-232 (RJ45)

## Management

* **Configuration** Web browser, Telnet, Serial console, TFTP, SNMPv1/

v2c/v3, Port Speed/Duplex Configuration, IPv6

* **VLAN** IEEE 802.1Q, GVRP
* **Redundancy** Advantech X-Ring, 802.1w/D RSTP/STP
* **Security** IP Access security, port security, DHCP client, 802.1X Port Access Control,
* **Traffic Control** IGMP Snooping/Query for multicast group

management, Port Trunking, Static/802.3ad LACP, Rate limit and storm control, IEEE 802.1p QoS CoS/TOS/ DSCP priority queuing, IEEE 802.3x flow control

* **Diagnostics** Port Mirroring, Real-time traffic statistic, MAC Address

Table, SNTP, Syslog, E-Mail Alert, SNMP Trap, RMON

* **Unicast Routing** NAT,Static routing

## 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** 12-48 VDC
* **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

 **Industrial Ethernet Solutions**

All product specifications are subject to change without notice. Last updated: 27-Jun-2018

# EKI-9628G-4CI

12 [0.47]

 **Safety** UL 61010-2-201

438 [17.24]

79.30 31.50

[3.12] [1.24]

22 41

[0.87] [1.61]

426 [16.77]

Unit: mm [inch]

**Dimensions**

43.60

[1.72]

 **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
* **Railway Track Side** EN 50121-4
* **Patent** <http://www.advantech.com/legal/patent>

# Ordering Information

* **EKI-9628G-4CI-AE** 24GE +4G Combo Port L3 rackmount Managed

Ethernet Switch w/ Wide Temp

9.20

[0.36]

259.20 [10.20]

 **Online Download** [www.advantech.com/products](http://www.advantech.com/products)