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







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 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

- LAN

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) 10/100T (X): Link/Activity, Duplex/Collision

LED Indicators

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

IEEE 802.1Q, GVRP VLAN

Advantech X-Ring, 802.1w/D RSTP/STP Redundancy

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 V_{DC} **Fault Output** 2 Relay Outputs

Protection

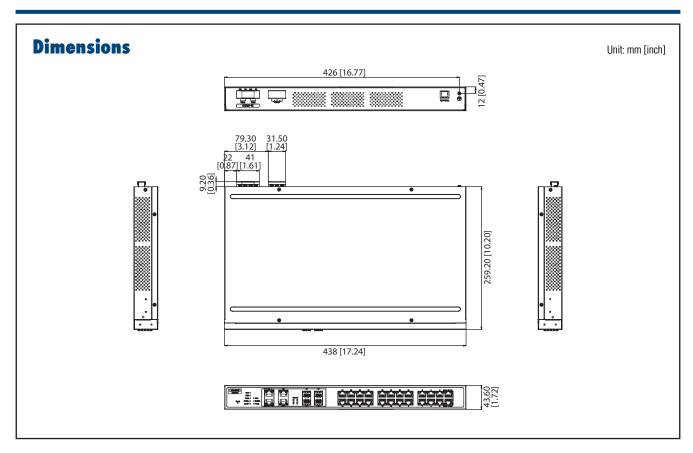
 Power Reverse Present **Overload Current** Present

Environment

Operating Temperature $-40 \sim 70^{\circ}\text{C} (-40 \sim 158^{\circ}\text{F})$ 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
 EMI
 UL 61010-2-201
 CE FCC EN55022 Class A

EMSEN 61000-4-2
EN 61000-4-3
EN 61000-4-4

EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 IEC 60068-2-27

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