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
- -40 ~ 70°C wide-range operating temperature

Introduction

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 -40 ~ 70°C operating temperatures. It is also embedded with Advantech IXM, which benefits users with fast deployment that can dramatically save 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-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, 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 V_{DC}
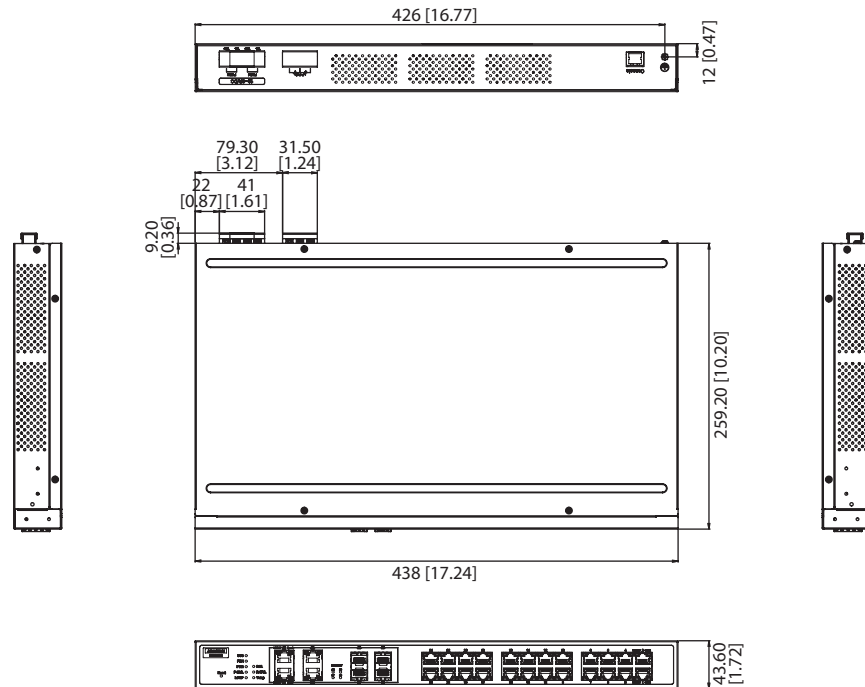- **Fault Output** 2 Relay Outputs

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

Dimensions

Unit: mm [inch]

- **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
- **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