

# EKI-7428G-4FA

## 24G+4G Fiber port L2 Managed Switch w/ AC input



### Features

- 24 x Gigabit copper ports + 4 x Gigabit SFP ports
- SFP socket for Easy and Flexible Fiber Expansion
- Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB
- IXM function enables fast deployment
- Security: 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption), HTTPS, SSH and SNMPv3
- Redundancy: Gigabit X-Ring Pro (ultra high-speed recovery time < 20 ms), RSTP/STP (802.1w/1D), MSTP
- 100-240V AC power input
- -10 ~ 55°C wide-range operating temperature

### Introduction

The EKI-7428G-4FA is an industrial-class layer 2 full managed switch including 24 Gigabit ports and 4 Gigabit SFP 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 integrates Layer 2 switching software, which is optimized for scale and performance, delivering wire speed across all ports up to 56 Gbps for layer 2 traffic forwarding.

### 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) ports
- **LED Indicators** 10/100T (X): Link/Activity, Duplex/Collision  
Gigabit Copper: Link/Activity, Speed (1000 Mbps)  
SFP: Link/Activity
- **Console** RS-232 (RJ45)

#### Network Management

- **Configuration** Web browser, Telnet, Serial console, TFTP, SNMPv1/v2c/v3, Port Speed/Duplex Configuration, IPv6
- **VLAN** IEEE 802.1Q, GVRP, Port-based VLAN
- **Redundancy** Advantech X-Ring, 802.1w/D RSTP/STP
- **Security** IP Access security, port security, DHCP client, Port and IP Binding, 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, SNMP, Syslog, E-Mail Alert, SNMP Trap, RMON

#### Mechanism

- **Enclosure** Metal shell with solid mounting kits
- **Dimensions (W x H x D)** 442 x 44 x 211.1 mm (17.4" x 1.73" x 8.31")
- **Mounting** 1U 19" Rack mount

#### Power

- **Power Consumption** 18W
- **Power Input** 100-240V single AC power input

#### Protection

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

#### Environment

- **Operating Temperature** -10 ~ 55°C (14 ~ 131°F)
- **Storage Temperature** -20 ~ 70°C (-4 ~ 158°F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** 620,427 hours

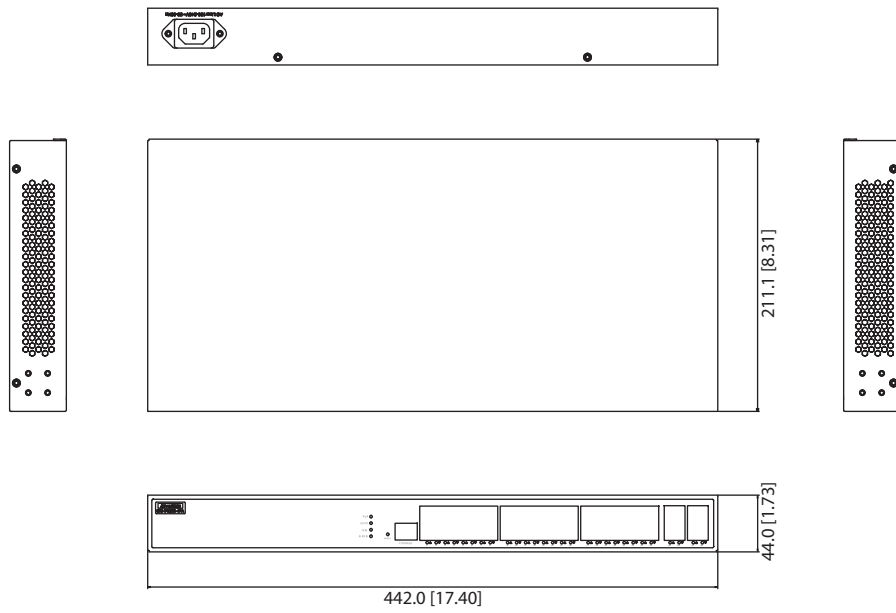
#### Certification

- **Safety** UL 60950\*
- **EMI** CE FCC 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

\*= Compliant

## Dimensions

Unit: mm [inch]



## Ordering Information

- EKI-7428G-4FA-AE 24GE+4G SFP Port Managed Ethernet Switch