

# EKI-7428G-4X

## 24GE+4 10G SFP L2 Managed Switch

Preliminary



### Features

- 24 Gigabit Ethernet ports and 4 10G SFP ports
- 0 to 60°C operating temperature range
- Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB
- IXM function enables f deployment
- Redundancy: Gigabit X-Ring Pro (ultra high-speed recovery time < 20 ms), RSTP/STP (802.1w/1D), MSTP

### Introduction

The EKI-7248G-4X is equipped with 24 Gigabit Ethernet ports plus 4 10G SFP+ ports. It is ideal for large-scale networks with server and surveillance applications, that involve high-resolution videos and images, to achieve high performance and large-scale data transmission. Designed for rack-mount installation with 1U 19" design, the EKI-7248G-4X integrates layer 2 switching software, delivering wire speed across all ports up to 128 Gbps for layer 2 and network nodes. The EKI-7428G-4X also supports up to 60°C wide operating temperature against the harsh environment.

### Specifications

#### Interface

- **Ethernet Port** 24 x RJ45 (10/100/1000BASE-T)  
4 x SFP+ (1G/10G)
- **Console Port** RJ45
- **Power Connector** 3-pin Power Connector

#### Physical

- **Enclosure** Metal Shell
- **Installation** 1U 19" Rack Mount
- **Dimension** EKI-7428G-4X: 441 x 44 x 196 mm  
(17.24" x 1.73" x 7.72")

#### LED Display

- **System LED** ALM, SYS, PWR
- **Port LED** 1 ~ 24 Port: Link/ACT/Speed  
25 ~ 28 SFP+: Link/ACT

#### Environment

- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Humidity** 10 ~ 90% (non-condensing)
- **MTBF** 450,806 hours

#### Power

- **Power Consumption** 36 Watts (System)
- **Operating Input Range** 100-240V<sub>AC</sub>

#### Certification

- **Safety** LVD IEC/EN62368-1
- **EMC** CE EN 55032:2015+AC:2016 Class A  
EN 61000-3-2:2014 Class A  
EN 61000-3-3:2013  
EN 55035:2017  
FCC Part 15, Subpart B  
CCC
- **Other**

#### L2 Feature

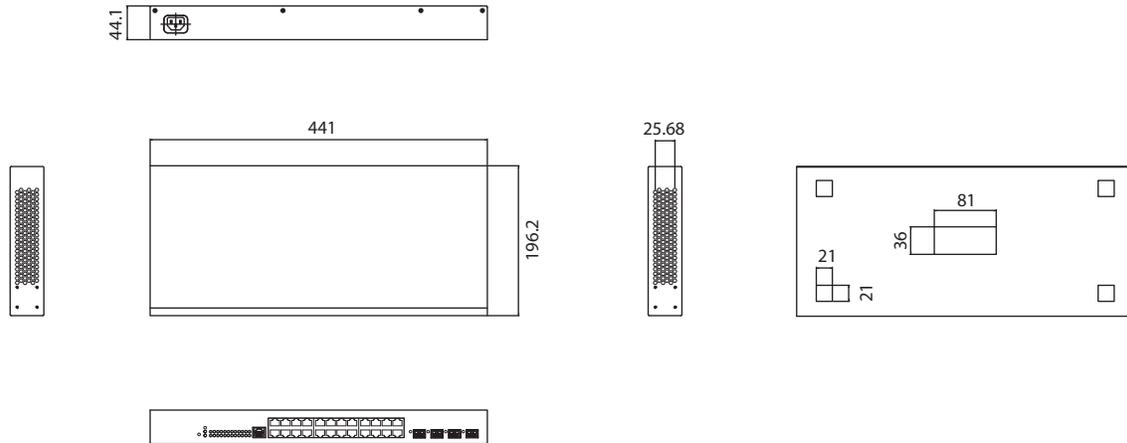
- **L2 MAC Address** 16K
- **Jumbo Frame** 12KB
- **Switch Capacity** 128Gbps
- **Forwarding Rate** 95.2Mpps
- **VLAN group** 256 (VLAN ID 1~4094)
- **VLAN group** 802.1Q, GVRP
- **Port Mirroring** Per port, Multi-source port (4 Mirroring sessions Max.)
- **IP Multicast** IGMP Snooping v1/v2/v3, MLD Snooping
- **Storm Control** Broadcast, Multicast, Unknown Unicast
- **Redundant Protocol** IEEE 802.1D(STP), IEEE802.1s(MSTP), IEEE802.1w(RSTP), X-Ring Pro, X-Chain, Dual homing, Coupling

#### Quality of Service

- **QoS function** Scheduling (STRICT/ WRR), Port Priority, 802.1p, DSCP, IP TOS/ precedence
- **Rate limit** Ingress/ Egrss Rate limit
- **Max Priority Queues** 8

## Dimensions

Unit: mm



**Panel Cut-out Dimensions (W x D x H): 441 x 196 x 44mm**

### Security

- **Port Security** Static MAC, MAC Violation Notice, Port-based Loop Detection
- **Authentication** 802.1x (Port-based, MAC-based), RADIUS

### Management feature

- **DHCP** Client, Server, Option66/67/82, Port IP-Binding
- **Access** SNMP v1/v2c/v3, WEB, Telnet, Console, RMONv1, Standard MIB, Private MIB
- **Security Access** HTTPs, TLS 1.0
- **Software Upgrade** TFTP, HTTP, Dual Image
- **NTP** NTP Server/Client, SNTP Client
- **Other** IPv4, IPv6, Modbus TCP, IXM

## Ordering Information

- **EKI-7428G-4X-AE** 24GE+4 10G SFP L2 Managed Switch