

EKI-7428G-4X

24GE+4 10G SFP L2 Managed Switch

Preliminary



Features

- ③ 24 Gigabit Ethernet ports and 4 10G SFP ports
- ③ 0 to 60°C operating temperature range
- ③ Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB
- ③ IXM function enables f deployment
- ③ Redundancy: Gigabit X-Ring Pro (ultra high-speed recovery time <20ms), 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

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

Physical

- ③ **Enclosure** Metal Shell
- ③ **Installation** 1U 19" Rack Mount
- ③ **Dimension** EKI-7428G-4X: (17.24" x 1.73" x 7.72")

LED Display

- ③ **System LED** ALM, SYS, PWR
- ③ **Port LED** 1 ~ 24 Port: Link/ACT/Speed 25 ~ 28 SFP+: Link/ACT

Environment

- ③ **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- ③ **Storage Temperature** -40 ~ 70°C (-40 ~ 158°F)
- ③ **Humidity** 10 ~ 90% (non-condensing)
- ③ **MTBF** 450,806 hours

Power

- ③ **Consumption** 36 Watts (System)
- ③ **Operating Input Range** 100-240V_{AC}

Certification

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

L2 Feature

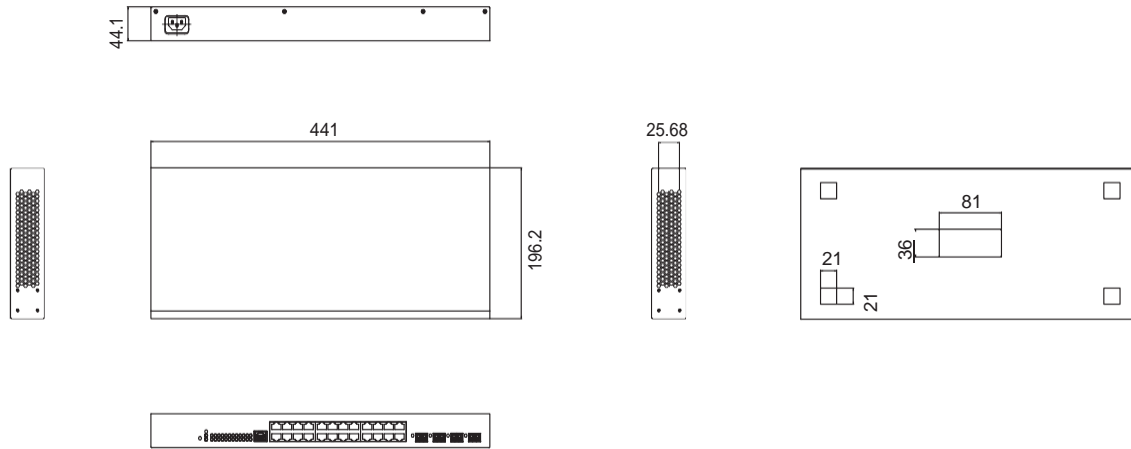
- ③ **L2 MAC Address** 16K
- ③ **Jumbo Frame** 12KB
- ③ **Switch Capacity** 128Gbps
- ③ **Forwarding Rate** 95.2Mpps
- ③ **VLAN group** 256 (VLAN ID 1~4094)
- ③ **VLAN group** 802.1Q, GVRP
- ③ **Port Mirroring** Per port, Multi-source port (4 Mirroring sessions Max.)
- ③ **Snooping** IP Multicast IGMP Snooping v1/v2/v3, MLD
- ③ **Storm Control** Broadcast, Multicast, Unknown Unicast
- ③ **Redundant Protocol** IEEE 802.1D(STP), IEEE802.1w(RSTP), X-Ring Pro, X-Chain, Dual homing, Coupling

Quality of Service

- ③ **QoS function** Scheduling (STRICT/WRR), Port Priority, 802.1p, DSCP, IP TOS/ precedence
- ③ **Rate limit** Ingress/ Egrss Rate limit
- ③ **Max Priority Queues** 8

Dimensions

Unit: mm



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

Security

- ③ Notice, Port-based Loop
- ③ **Authentication** 802.1x (Port-based, MAC-based), RADIUS
- ③ **Port Security** Static MAC, MAC Violation Detection

Management feature

- ③ Port IP-Binding
- ③ **DHCP** Client, Server, Option66/67/82,
- ③ **Access** SNMP v1/v2c/v3, WEB, Telnet, Console, RMONv1, Standard MIB, Private MIB
- ③ **Security Access** HTTPs, TLS 1.0
- ③ **Software Upgrade** TFTP, HTTP, Dual Image
- ③ **NTP** NTP Server/Client, SNTP Client
- ③ **Other** IPv4, IPv6, Modbus TCP, IXM

Ordering Information

- ③ **EKI-7428G-4X-AE** 24GE+4 10G SFP L2 Managed Switch

