EKI-7412G-4XP

8GE+4 10G SFP L2 Managed PoE+ Switch

Features

- 8 Gigabit Ethernet Ports and 4 10G SFP Ports
- 0 to 60°C operating temperature range
- Supports 8 IEEE802.3af/at PoE ports
- 140W PoE Power Budget
- Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB
- IXM Function Enables Fast Deployment
- Redundancy: Gigabit X-Ring Pro (Ultra High-Speed Recovery Time < 20 ms), RSTP/STP (802.1w/1D), MSTP

CE FCC RoHS COMPLIANT 2002/95/EC

Introduction

The EKI-7412G-4XP is equipped with 8 Gigabit Ethernet ports plus 4 10G SFP+ ports. It is ideal for large-scale networks like Surveillance Applications, that involve high-resolution videos and images, to achieve both high performance and large-scale data transmission. The switch features IEEE 802.3at/af PoE (Power over Ethernet) providing up to 30 watts per port and up to 140 watts of power budget, making it ideal for applications requiring PoE and higher speeds. Designed for rack-mount installation with 1U 19" design, the EKI-7412G-4XP integrates layer 2 switching software, delivering wire speed across all ports up to 96 Gbps for layer 2 and network nodes. It also supports up to 60°C wide operating temperature against the harsh environment.

Specifications

Interface

- **Ethernet Port** — 8 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** — Rack Mount
- **Dimension (W x H x D)** — 330 x 44 x 230 mm (12.992" x 1.732" x 9.055" inch.)

LED Display

- **System LED** — ALM, SYS, PWR
- **Port LED** — 1 ~ 8 Port: Link/ACT/Speed / 9 ~ 12 SFP+: Link/ACT
- **PoE LED** — PoE

Environment

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

Power

- **Operating Input Range** — 100-240V$_{AC}$
- **PoE Power Budget** — 140W

Certification

- **Safety** — LVD EN62368:2014
- **EMC** — FCC Part 15,Subpart B:ANSI C63.4-2014 / CE   55032: 2015 + AC: 2016 / EN55035: 2017

L2 Feature

- **L2 MAC Address** — 16K
- **Jumbo Frame** — 12KB
- **Switch Capacity** — 96Gbs
- **Forwarding Rate** — 71.4Mpps
- **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
- **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/ Egress Rate limit
- **Max Priority Queues** — 8

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, IXM

Dimensions

Unit: mm

60.35
31
22.9

330

230

26
26
44
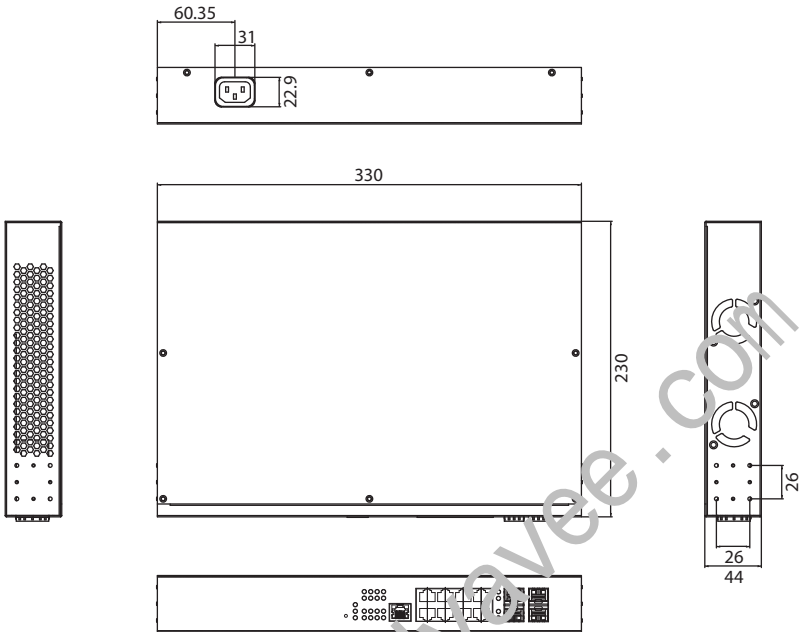
Panel Cut-out Dimensions (W x H x D): 330 x 44 x 230 mm (12.992" x 1.732" x 9.055" inch.)

Ordering Information

▪ **EKI-7412G-4XP-AE**   8GE+4 10G SFP L2 Managed PoE+ Switch