EKI-7428G-4CA

24G+4G Combo port L2 Managed Switch

Features

- 24 x Gigabit ports + 4 x Gigabit Copper/SFP combo 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
- Support Security Pack to against internal and external cyber threats

Introduction

The EKI-7428G-4CA is an layer 2 full managed switch including 24 Gigabit ports and 4 Gigabit combo ports. It is designed for rack-mount installation with 1U 19" design and suitable for edge to core 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. It is also embedded with Advantech exclusive features like IXM and Security Pack, which benefits users by giving them fast deployment and protect their network and network nods, and can dramatically save engineer's time and costs.

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
- **LED Indicators** — Powre/System 1 ~ 24 RJ45 Ports: Link/Activity 25 ~ 28 Combo Ports: 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/1D/1s RSTP/STP/MSTP
- **Security** — IP Security, SSH, SSL, SNMPV3, HTTPS, IP Source Guard, DHCP Snooping, ARP Spoofing Prevention, 802.1X, TACACS+, Access Control List
- **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

Mechanism

- **Enclosure** — IP30, metal shell with solid mounting kits
- **Dimensions (W x H x D)** 441x 44 x 196 mm(17.36" x 1.73" x 7.72")
- **Mounting** — 1U 19" Rack mount

Power

- **Power Input** — 100 ~ 240V$_{AC}$, 50/60Hz, 3A

Environment

- **Operating Temperature** — 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** — -40 ~ 70°C (-40 ~ 158°F)
- **Operating Humidity** — 10 ~ 90% (non-condensing)
- **Storage Humidity** — 5 ~ 90% (non-condensing)

Certification

- **Safety** — LVD EN 62368-1:2014 + A11:2017
- **EMI** — CE FCC EN55032 Class A
- **EMS** — EN 61000-3-2 EN 61000-3-3 EN 55024
- **Patent** — http://www.advantech.com/legal/patent

Dimensions

Unit: mm

441

196.2

44.1
30.68
44.1

25.68

81
35
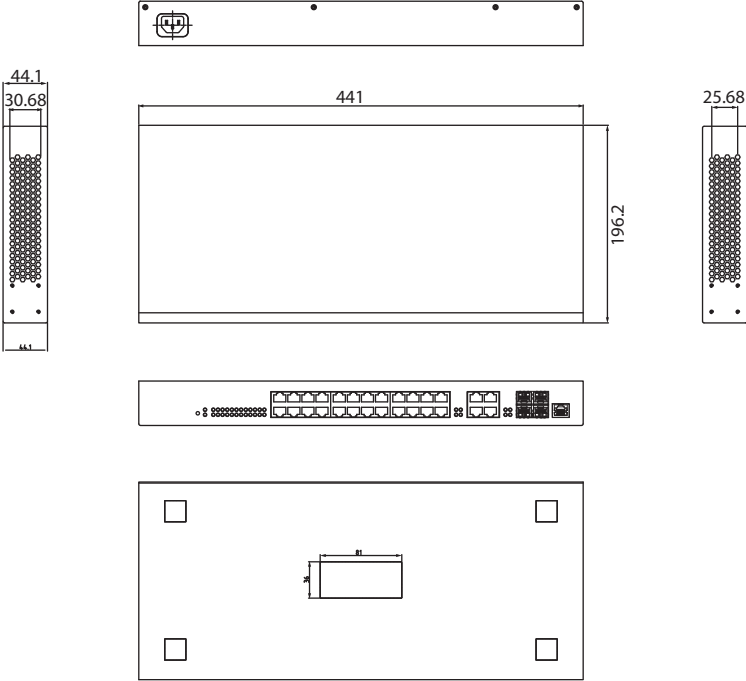
Ordering Information

- **EKI-7428G-4CA-AE**   24GE+4G Combo Port Managed Ethernet Switch