

EKI-7428G-4CA

24G+4G Combo port L2 Managed Switch



Features

- ③ 24 x Gigabit ports + 4 x Gigabit Copper/SFP combo ports
- ③ SFP socket for Easy and Flexible Fiber Expansion
- ③ Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB
- ③ IXM function enables fast deployment
- ③ Security: 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption), HTTPS, SSH and SNMPv3
- ③ Redundancy: Gigabit X-Ring Pro (ultra high-speed recovery time <20ms RSTP/STP (802.1w/1D), MSTP
- ③ 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 nodes, and can dramatically save engineer's time and costs.

Specifications

Communications

- ③ **Standard** IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab
- ③ **LAN** 10/100/1000Base-T (X),
Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX
- ③ **Transmission Distance** Ethernet: Up to 100m (4-wire Cat.5e, Cat.6 RJ45
cable suggested for Gigabit port)
SFP: Up to 110km (depends on SFP)
- ③ **Transmission Speed** Gigabit Copper:
10/100/1000 Mbps, Auto-Negotiation
Gigabit Fiber: Up to 1000 Mbps

- ③ statistic, MAC Address

limit and storm control, IEEE 802.1p QoS CoS/TOS/
DSCP priority queuing, IEEE 802.3x flow control

Diagnostics Port Mirroring, Real-time traffic

Table, SNMP, Syslog, E-Mail Alert, SNMP Trap, RMON

Interface

- ③ **Connectors** 24 x RJ45 (Ethernet)
4 x RJ45/SFP (mini-GBIC) combo ports
- ③ **LED Indicators** Power/System/Alert RJ45:
connected, 10/100Mbps connected SFP: Link/Activity,
1000Mbps connected, 10/100Mbps connected
- ③ **Console** RS-232 (RJ45)

Network Management

- ③ **Configuration** Web browser, Telnet, Serial console,
TFTP, SNMPv1/
v2c/v3, Port Speed/Duplex Configuration, IPv6
- ③ **VLAN** IEEE 802.1Q, GVRP, Port-based
- ③ **Redundancy** Advantech X-Ring, 802.1w/1D/1s
- ③ **Security** IP Security, SSH, SSL, SNMPv3,
HTTPS, IP Source Guard, DHCP Snooping, ARP
Spoofing Prevention, 802.1X, TACACS+,
Access Control List
- ③ **Traffic Control** IGMP Snooping/Query for
multicast group
management, Port Trunking, Static/802.3ad, LACP Rate

Mechanism

③ mounting kits

Enclosure IP30, metal shell with solid③ **Dimensions (W x H x D)** 441x 44 x 196 mm(17.36" x 1.73" x 7.72")③ **Mounting** 1U 19" Rack mount**Power**③ **Power Input** 100 ~ 240V_{AC}, 50/60Hz, 3A**Environment**③ **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)③ **Storage Temperature** -40 ~ 70°C (-40 ~ 158°F)

③ condensing)

③ condensing)

Operating Humidity

10 ~ 95% (non-

Storage Humidity

5 ~ 95% (non-

Certification

③

EMI CE FCC EN55032 Class A③ **EMS**

EN 61000-3-2

EN 61000-3-3

EN55024

③

LV DEN62368

③

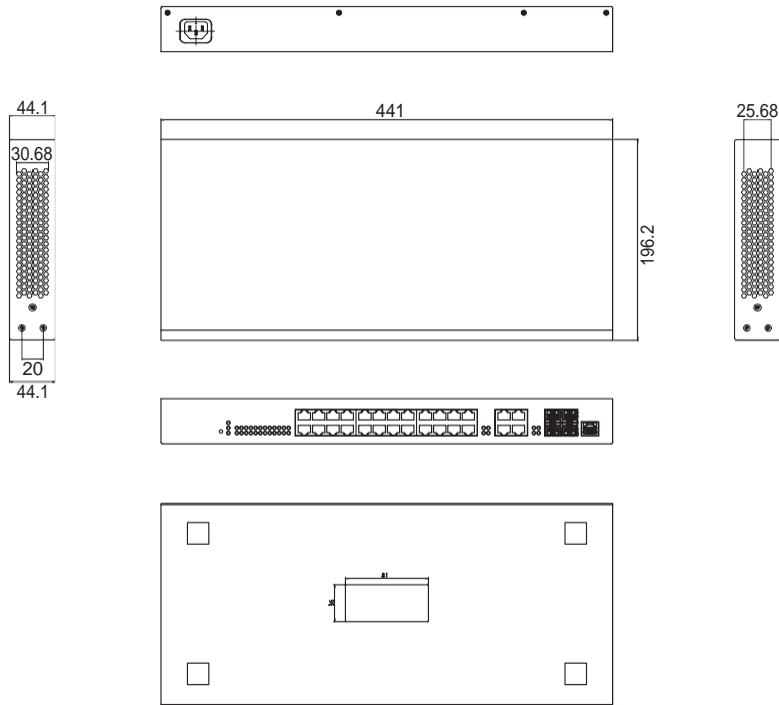
Patent<http://www.advantech.com/legal/patent>**ADVANTECH****Industrial Ethernet Solutions**

All product specifications are subject to change without notice.

Last updated: 23-Oct-2019

Dimensions

Unit: mm[inch]



Ordering Information

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