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/Alert"RJ45: Link/Activity, 1000Mbps connected, 10/100Mbps connected"SFP: Link/Activity, 1000Mbps connected, 10/100Mbps connected
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 ~ 95% (non-condensing)
Storage Humidity	5 ~ 95% (non-condensing)

Certification

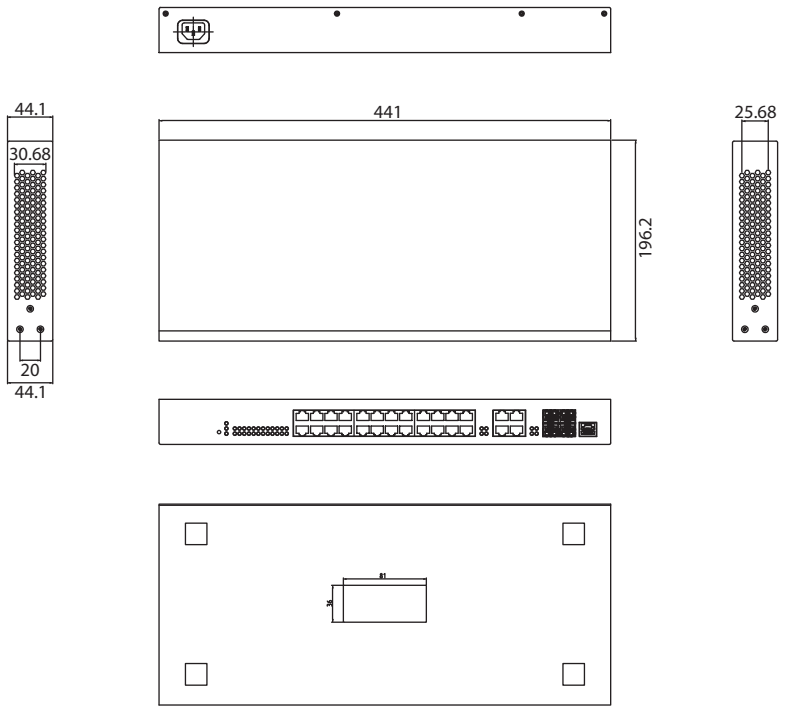
EMI	CE FCC EN55032 Class A
EMS	EN 61000-3-2 EN 61000-3-3 EN 55024
LVD	EN 62368
Patent	http://www.advantech.com/legal/patent

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