

EKI-7710E-2C EKI-7710E-2CI

8FE+2G Port Gigabit Managed **Redundant Industrial Switch**



Features

- 8 x Fast Ethernet ports + 2 x Gigabit Copper/SFP combo ports
- Redundancy: X-Ring Pro (ultra-high-speed recovery time, <20 ms), RSTP/STP (802.1w/1D)
- IXM function for fast deployment
- Security Pack with 802.1X, ACL, RADIUS, TACACS+, MAB Authentication, SNMPv3, HTTPS, SSH, and SFTP
- Management: SNMP v1/v2c/v3, WEB, Telnet, standard MIB, private MIB
- Supports NMS for easy and visualized to monitor and manage network remotely
- Dual 12 ~ 48 V_{DC} power input and 1 x relay output









Introduction

The EKI-7710E-2C and EKI-7710E-2CI support 8 fast Ethernet ports and 2 Gigabit combo ports. These units are also embedded with Advantech's IXM function for fast deployment, which can save a considerable amount on engineering time and costs. The EKI-7710E series also support NMS to help IT managers with networking maintenance and failure prevention. Finally, the series are equipped with X-Ring Pro, which can achieve ultra-high-speed recovery times of <20 ms, thus ensuring network stability.

Specifications

Interfaces / Communications

I/O Port 8 x 10/100BASE-T/TX RJ-45 2 x 10/100/1000BASE-T/TX or SFP (mini-GBIC) Combo port

Auto-Negotiation, Full/Half Duplex Mode Auto MDI/MDI-X Connection

Standards IEEE 802.3 for 10BaseT

IEEE 802.3u for 100BaseT(X)/FX IEEE 802.3ab 1000BaseT(X)

IEEE 802.3z for 1000BaseSX/LX/LHX/ZX

IEEE 802.3x for Flow Control

 Console port RS-232 (RJ45)

 Power Connector 6-pin screw Terminal Block (including relay)

Physical

 Enclosure Metal Shell IP 30 Protection Class

Installation DIN-Rail, Wall-mount

Dimensions (W x H x D) 74 x 152 x 105 mm (2.91" x 5.98" x 4.13")

LED Indicators

System LED PWR1. PWR2. SYS. Alarm and R.M.

Port LED Link / Speed / Activity

Environment

 Operating Temperature -40 ~ 75°C (-40 ~ 167°F) (EKI-7710E-2CI) -10 ~ 60°C (-40 ~ 140°F) (EKI-7710E-2C)

-40 ~ 85°C (-40 ~ 185°F) Storage Temperature Ambient Relative Humidity 5 ~ 95% (non-condensing)

Overload Current Protection Reverse Polarity Protection Present MTBF 1.679.827 hours

Power

Power Consumption 12.1W @ 48V_{DC} (System)

 Power Input 12 ~ 48 V_{DC}, redundant dual power input

 Fault Output 1 Relay Output

Certification

Safety UL508, EN LVD 62368

- EMI CE, CISPR 32, FCC Part 15B Class A

EMS EN 61000-4-2 EN 61000-4-3

EN 61000-4-4 EN 61000-4-5

EN 61000-4-6 EN 61000-4-8

EMC EN 61000-6-2

EN 61000-6-4 Shock IEC 60068-2-27

Freefall IEC 60068-2-32 Vibration IEC 60068-2-6

Traffic control NEMA TS-2 Railway Trackside EN 50121-4

Switch Properties

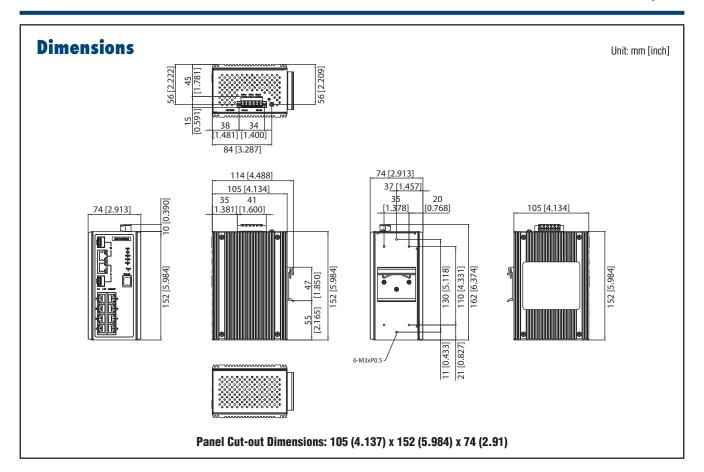
- Switching Capacity 5.6Gbps **Transmission Rate** 4.17Mpps **MAC Table Size Jumbo Frame** 1,0240 Bytes **Packet Buffer Size** 4.1Mb Max. IGMP Group 256

Max. VLAN Group 256 (VLAN ID 1 ~ 4094)



Zapraszamy do kontaktu! Więcej informacji: www.kreski.pl

EKI-7710E-2C/2CI



L2 Features

802.1Q Tag-based VLAN, 802.1ad QinQ VLAN Stacking VLAN Arrange Port Mirroring 1 to 1. N to 1

Max. Mirror Session: 4 RSPAN Remote Switched Port Analysis

GARP GVRP, GMRP

IGMP Snooping v1/v2/v3, MLD IP Multicast Snooping, IGMP Immediate leave

 Storm Control Broadcast, Multicast, Unknown unicast

LLDP 802.1ab LLDP, LLDP-MED

 Industrial Protocol Modbus/TCP

Redundancy IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring Pro, with ultra high-speed recovery time less than 20ms, ERPS(G.8032)

OoS

 Priority Queue WRR (Weighted Round Robin), SP (Strict Scheduling Schedulina Priority) Hybrid Priority, Max. Priority Queues: 8

Class of Service IEEE 802.1p Based CoS, IP TOS, DSCP based CoS

 Rate Limiting Ingress Rate limit, Egress Rate limit

Link Aggregation IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking

Security

Static/Dynamic MAC, Max. Learning Limit, MAC Port Security Violation Notice

802.1X Port-based/MAC-based Authentication (MD5/PEAP/TLS/TTLS Encryption) MAB MAC Authentication Bypass

 Authentication RADIUS, TACAS+

IP Security IP Source Guard, DHCP Snooping, ARP Spoofing

Prevention

- ACL Access Control List (IP-ACL, MAC-ACL)

Max. ACL Entries: 128

Management

DHCP Client, Server, Option66/67/82, DHCP Relay Access SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB-II, Private MIB, Ethernet-Like MIB, RMON MIB

(Group 1, 2, 3, 9)

 Security access SSH2.0, SSL Software upgrade TFTP, SFTP, HTTP, Dual Image

NTP SNTP client

Ordering Information

EKI-7710E-2CI-AE 8FE + 2G Combo Port Managed Ethernet Switch

w/Wide Temp

EKI-7710E-2C-AE 8FE + 2G Combo Port Managed Ethernet Switch

Note: For SFP copper type, only 1000Mbps supported.