EKI-7706G-2F EKI-7706G-2FI

4GE+2SFP Gigabit Managed **Redundant Industrial Switch**

Features

- 3 4 Gigabit Ethernet ports with auto negotiation, MDI/MDI-X function, FullHalfduplex + 2 SFP ports
- 3 SFP socket for easy and flexible fiber expansion
- Redundancy: X-Ring Pro (ultra-high-speed recovery time, <20 ms), 3 RSTP/STP(802.1w/1D)
- 3 IXM function enables fast deployment
- Security: 802.1x (Port-based, MD5/TLS/TTLS/PEAP encryption), 3 RADIUS
- 3 Management: SNMP v1/v2c/v3, WEB, Telnet, standard MIB, private MIB
- Wide operating temperature range of -40 ~ 85°C (EKI-7706G-2FI) 3
- 3 Dual 12~48 V_{DC} power input and 1 x relay output
- 3 Supports Security Pack to fight against internal and external cyber

Introduction

The EKI-7706G-2F and EKI-7706G-2FI support 4 Gigabit Ethernet ports and 2 SFP ports. They provide abundant port options for connecting to various device types and are embedded with Advantech's IXM function, which can benefit users with faster deployment while saving considerably on engineering time and costs. The EKI-7706G series also supports NMS to help IT managers with networking maintenance and failure prevention. The series is equipped with X-Ring Pro, which can achieve ultra-high-speed recovery times of <20 ms, thus ensuring network stability.

Specifications

Interface

Interface			
③ I/O Port	4x10/100/1000BASE-T/TXRJ-45 2 x SFP (mini-GBIC) port		
3	Console port	RS-232 (F	RJ45)
3	Power Connector	6-pin screv	V
terminal block (including relay)			
Physical			
3	Enclosure	Metal She	
3	Protection Class	IP 30	
3	Installation	DIN-Rail	
③ Dimensions (W x H x D)	43 x 120 x 84 mm (1.69" x 4.72" x 3.31")		
3	Switch Fabric Speed		
12Gbps			
3	Jumbo Frame	9,216Byte	S
LED Display			
3 CVC Alarmand D M	System LED	PWR1,PV	VR2,
SYS, Alarm and R.M.	De all ED	1.1.1.1.0.1.1	- 17
③ Activity	PortLED	Link / Spe	ed/
Activity			
Environment			
③ 85 °C (-40 ~ 185 °F) EKI-7706G-	Operating Tempera	ature	-40 ~
	-10~60°C(14~140	°F)EKI-770)6G-2F
3	Storage Temperate	ure	-40 ~
85 °C (-40 ~ 185 °F)			
3	Ambient Relative H	lumidity	10 ~
95% (non-condensing)			,
③ condensing)	Humidity	10 ~ 95%	(non-
condensing)			
Power			
3	Power Consumption 5.28W @ 48V _{DC}		
(System)			50
3	Power Input	12~48V _{DC}	.,

redundantdualpowerinput			
3	Fault Output	1 Relay O	utput 1A @
24V _{DC} Max			
3	Reverse polarity protection Supp		Support
3	Overload current p	rotection	Support





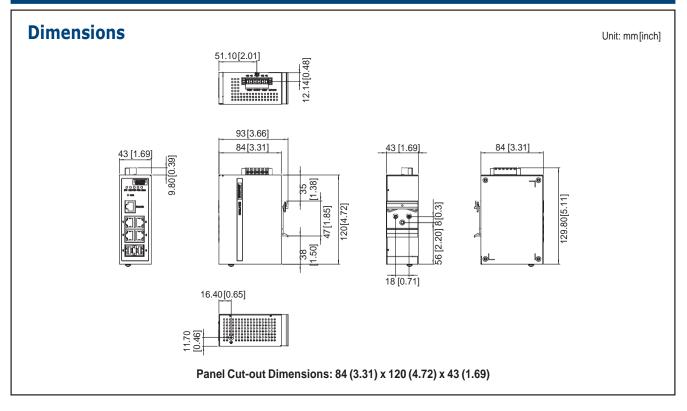
Certification	
3 EMI CE, FCC Class A L2 Features	
Image: Safety UL61010 Image: Safety UL61010 Image: Safety March and a safety March an	
③ EMC EN 61000-4-2 ③ Packet Buffer 4.1 Mbit	
EN 3 VLAN Group 256 (VLAN ID 1-	~4094)
61000-4- ③ VLAN Arrange Portbased VLAN	√,Q-in-Q(VLAN
3 Stacking), GVRP	
EN ③ Port Mirroring Per port, multi-su	ourceport
61000-4- ③ IP Multicast IGMP snooping	v1/v2/v3, MLD
4 Snooping, EN	
IGMP immediate leave	
5 Storm Control Broadcast, multi	cast, unknown
EN unicast	
61000-4- 3 Redundancy IEEE 802.1D-ST	P, IEEE 802.1s-
6 MSTP, IEEE	a hish an and
EN 802.1w-RSTP, X-Ring Pro, with ultra 61000-4- recovery time less than 20ms	a nign-speed
	, ,
	1, 002.000
③ Freefall IEC 60068-2-32	

Industrial Ethernet Solutions

All product specifications are subject to change without notice.

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EKI-7706G-2F/2FI



QoS

			Uluelli	
3	•	WRR (Weighted Round Robin), SP Priority) hybrid priority	3	EKI- Port
③ CoS, IP TOS, DSCP ba	Class of Servic	e IEEE 802.1p based		Tem
③ limit	Rate Limiting	Ingress rate limit, egress rate	③ Managed Ethe	EKI- ernet Switch
③ dynamicporttrunking	Link Aggregation g, static port trunking	on IEEE802.3ad		
Security				
3		Static, Dynamic IP Source Guar cess Control List, DHCP Snoopir	, , , , , , , , , , , , , , , , , , , ,	
3	Authentication Encryption), TACA	802.1x (Port-Based, MD5/TLS/TTLS ACS+	S/PEAP	
Management				
3	DHCP	Client, server, option 66/67/82		
3	Access RMON, standard I	SNMP v1/v2c/v3, WEB, Telnet, MIB, private MIB		
3	Security acces	s SSH2.0, SSL		
3	Software upgra	ade TFTP, HTTP, dual im	nage	
3	NTPSNTP clien	t		

Ordering Information

3	EKI-7706G-2FI-AE	4GE + 2SFP	
	Port Managed Ethernet Switch w/ Wide		
	Temp		
3	EKI-7706G-2F-AE	4GE + 2SFP Port	
Managed Ether	net Switch		