EKI-7659CPI

8+2G Port Gigabit Managed **Redundant Industrial PoE Switch** with Wide Temperature



Features

- 2 Gigabit Copper/SFP combo ports, plus 8 PoE injector ports
- SFP socket for Easy and Flexible Fiber Expansion
- Redundancy: Gigabit X-Ring (ultra high-speed recovery time < 10ms), • RSTP/STP (802.1w/1D)
- Management: Web, Telnet, Serial Console, SNMP
- Control: VLAN/GVRP, QoS, IGMP Snooping/Query, LACP, Rate Limit
- Security: IP/MAC and port binding, DHCP Server, IP access list, 802.1X, • SNMPv3
- Diagnostic: Port Statistic, Port Mirroring, RMON, Trap, Email Alert, Syslog
- Dual 48 V_{DC} power input and 1 relay output
- Supports wide operating temperatures from -40 ~ 75° C

Introduction

EKI-7659CPI supports 8 Power over Ethernet (PoE) ports and 2 Gigabit combo ports. The PoE device helps realize a centralized power supply solution and provides up to 15.4 watts of power per port. To create reliability in your network, the EKI-7659CPI comes equipped with a proprietary redundant network protocol -- X-Ring that was developed by Advantech, which provides users with an easy way to establish a redundant Ethernet network with ultra high-speed recovery time less than 10 ms. Furthermore, EKI-7659CPI also supports many advanced network standards to optimize network performance, ease maintenance issues, and secure network safety.

Specifications

Communications

Communications		Mechanism	
 Standard 	IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1d, 802.1w,	 Enclosure Dimensione (W x U x D) 	IP30, metal shell with solid mounting kits
- LAN	802.1p, 802.1Q, 802.1x, 802.3ad, 802.3ab, 802.3af 10/100/1000Base-T(X), Optional 100Base-FX,	 Dimensions (W x H x D) Mounting 	DIN-rail, wall
 Transmission Distance 	1000Base-SX/LX/LHX/XD/ZX/EZX Ethernet: Up to 100 m (4- wire Cat.5e, Cat.6 RJ-45 cable suggested for Gigabit port)	Power Power Consumption	116 W (Full Load)
 Transmission Speed 	SFP: Up to 110 km (depends on SFP) Ethernet: 10/100Mbps Auto-Negotiation Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation Gigabit Fiber: Up to 1000 Mbps	 Power Consumption Power Input Power Output Fault Output 	48 V _{DC} , redundant dual power input 15.4W at 48V (per PoE port) 1 Relay Output
Interface		Protection	
- Connectors	8 x RJ-45 (Ethernet) 2 x RJ-45/SFP (mini-GBIC) combo ports	 ESD (Ethernet) Surge (EFT for power) Power Reverse 	4,000 V _{DC} 3,000 V _{DC} Present
LED Indicators	6-pin removable screw terminal (Power&Relay) System: PWR, PWR1, PWR2, R.M., P-Fail	 Overload 	3.5 A @ 12 V _{DC} (Fuse)
	1Ó/100T(X): Link/Activity, Duplex/Collision Gigabit Copper: Link/Activity, Speed (1000Mbps) SFP: Link/Activity	Environment Operating Temperature 	-40 ~ 75° C (-40 ~ 167° F)
 Console 	RS-232 (RJ-45)	 Storage Temperature Operating Humidity 	-40 ~ 85° C (-40 ~ 185° F) 5 ~ 95% (non-condensing)
Network Management		 Storage Humidity 	0 ~ 95% (non-condensing)
 Configuration 	Web browser, Telnet, Serial console, TFTP, SNMPv1/	 MTBF 	284,409 hours
- VLAN	v2c/v3, Port Speed/Duplex Configuration IEEE 802.1Q, GVRP, Port-based VLAN	Certifications	
 Redundancy 	ADVANTECH X-Ring (Recovery time < 10ms at 30pcs full loading ring structure), Dual Homing, Couple Ring, 802.1w/D RSTP/STP	SafetyEMC	UL 60950-1, CAN/CSA-C22.2 No.60950 EU: EN55011, EN61000-6-4, EN55022 Class A, EN61000-3-2/3, EN55024,
 Security 	IP Access security, port security, DHCP Server, Port	Shock	IEC61000-4-2/3/4/5/6/8, EN61000-6-2 IEC60068-2-27
 Traffic Control 	and IP Binding, 802.1X Port Access Control IGMP Snooping/Query for multicast group management Port Trunking, Static/802.3ad LACP	SlockFreefallVibration	IEC60068-2-32 IEC60068-2-6
	Rate limit and storm control IEEE 802.1p QoS CoS/TOS/DSCP priority queuing	Ordering Info	rmation
 Diagnostics 	IEEE 802.3x flow control Port Mirroring, Real-time traffic statistic, MAC Address Table, SNTP, Syslog, E-Mail Alert, SNMP Trap, RMON	 EKI-7659CPI 	8+2G Giga Managed PoE Switch w/Wide Temp

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