EKI-9228G-8CMI EKI-9228G-8COI

Industrial Rackmount L2 Managed Switch with 48 $V_{\mbox{\tiny DC}}$

Industrial Rackmount L2 Managed Switch with $AC/_{\mbox{\tiny DC}}$



Features

- 16 x Gigabit RJ-45 ports + 4 Gigabit x SFP ports + 8 x Gigabit combo ports
- SFP socket for easy and flexible fiber expansion
- Management: SNMP v1/v2c/v3, WEB, Telnet, standard MIB
- 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
- Dual power input and 2 x relay output
- Wide-range operating temperature of -40 ~ 85°C

Introduction

The EKI-9228G series are designed for power substation automation applications requiring IEC 61850-3 certification: Thanks to its -40 ~ 85°C wide operating temperature range, these switches can operate reliably in extremely harsh environments. Designed with 16 Gigabit ports, 4 Gigabit SF 2 ports, and 8 Gigabit ports, it provides abundant and flexible connection options. Finally, the EKI-9228G series feature dual power inputs to ensure system stability and 2 relavious for greater user flexibility.

Specifications

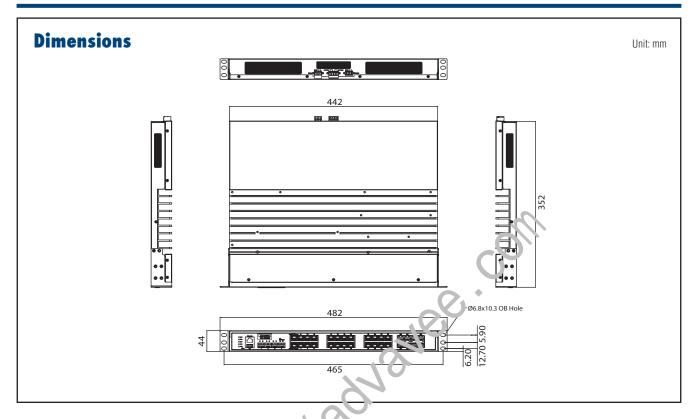
Communications

Gommunications		Fuwer	
 Standard 	IEEE 802.3, 802.3u, 802.3x, 802.3z, 802 1D, 802 1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3a.	 Power Consumption 	EKI-9228G-8CMI: 19.21 W @ 48V EKI-9228G-8COI: 19.24 W @ 110V _{AC}
- LAN	10/100/1000BASE-TX, optional 100BASE-FX, 1000BASE-SX/LX/LHX/XD/ZX/EZX	 Power Input 	EKI-9228G-8CMI: 48V _{DC} EKI-9228G-8COI: 90 ~ 264AC/88 ~ 370V _{DC}
 Transmission Distance 	Ethernet: Up to 100 m (4- wire Cal.5e, Cal.6 RJ45 cable suggested for Gigabit pol.)	 Fault Output 	2 Relay Outputs
	SFP: Up to 110 km (depoilds on SFP)	Protection	
 Transmission Speed 	Ethernet: 10/100 M. ^ S Auc. N-gotiation Gigabit Copper: 10/100/1000 . 1bps, Auto-Negotiation Gigabit Fiber: 5, 10 1000 Mbps	Power ReverseOverload Current	Present Present
	digabit i iber. ep to 1000 Mibps	Environment	
Interface		 Operating Temperature 	-40 - 85°C (-40 - 185°E)
 Connectors 	16 x RJ45 (Eulernet)	 Storage Temperature 	-40 ~ 85°C (-40 ~ 185°F)
	8 x RJ45/SFP (mini-GBIC) combo ports	 Operating Humidity 	10 ~ 95% (non-condensing)
	4 x SFP Ports	 Storage Humidity 	10 ~ 95% (non-condensing)
	3-pin removable screw terminal (Power)	· · ·	ie eeve (nen eendeneing)
	4-pin removable screw terminal (Relay)	Certification	
LED Indicators	10/100T (X): Link/Activity, Duplex/Collision	 Safety 	UL 60950
	Gigabit Copper: Link/Activity, Speed (1000 Mbps)	= EMI	CE FCC EN55022 Class A
• ·	SFP: Link/Activity	EMS	EN 61000-4-2
 Console 	RS-232 (RJ45)		EN 61000-4-3
Mechanism			EN 61000-4-4
 Enclosure 	IP30, metal shell with solid mounting kits		EN 61000-4-5
) 442 x 44 x 352 mm (17.4" x 1.73" x 13.85")		EN 61000-4-6 EN 61000-4-8
 Mounting 	1U 19" Rack mount	Shock	IEC 60068-2-27
mounting	10 10 Huok mount	 Freefall 	IEC 60068-2-27
		 Vibration 	IEC 60068-2-6

Power Automation IEC 61850-3

AD\ANTECH Industrial Ethernet Solutions

EKI-9228G-8CMI EKI-9228G-8COI



L2 Features

- L2 MAC Address
- Jumbo Frame
- VLAN Group
- VLAN
- Port Mirroring
- IP Multicast
- Storm Control
- Spanning Tree
- QoS
- Priority Queue
- Scheduling Class of Service
- Rate Limiting
- Link Aggregation
- **Security**
- Port Security
- Authentication
- ACL
- Advanced Security

Management

- DHCP
- Access
- Security Access
- Software Upgrade
- NTP

Client, Server, Relay, Option 66/67 SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB, Private MIB SSH 2.0, SSL TFTP, HTTP, Dual Image NTP client

- **Ordering Information**
- EKI-9228G-8CMI-AE
- EKI-9228G-8COI-AE
- Ind. Rackmount L2 Managed Switch with 48VDC
- Ind. Rackmount L2 Managed Switch with AC/DC

- 16K 9KB 4093 (VLAN ID 1~4093) ٠ Mac based VLAN, Protocol based VLAN, P subnet based VLAN, Port based VLAN, Cvn
- Per port, Multi-source po t
- IGMP Snooping v1, 2/v3, MLD Snooping, IGMP
- Immediate leave
- Broadcast, Mula ast, Unknown unicast IEEE 802.12 STP, ILLE 802.1s-MSTP, IEEE
 - 802.1w-KJTP, X Ring Pro
 - WRR (Weighted Round Robin), SP (Strict Priority)
- IEEE 802.1p based CoS, IP TOS, DSCP based CoS
- Egress Rate limit, Ingress Rate limit
 - IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking
- Static, Dynamic 802.1x (Port-Based), RADIUS, TACACS+ 550 rules
 - IP Source Guard