EKI-9226G-20FMI EKI-9226G-20FOI

IEC-61850-3 Industrial Rackmount L2 Managed Switch with 48 V_{DC} IEC-61850-3 Industrial Rackmount L2

Managed Switch with AC/DC



Features

- IEC-61850-3 and IEEE1613 certified for Power Energy.
- 20 x Gigabit SFP ports + 6 x Gigabit x RJ-45 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 relay output
- Wide operating temperature range of -40 ~ 85°C



The EKI-9226G series are designed for power substation automation applications requiring IEC 61850-3 certification. Thanks to its -40 ~ 85°C wide operating temperature, it can operate well in extremely harsh environments. Designed with 20 Gigabit SFP ports and 6 Gigabit RJ-45 ports, these this series of switches provide abundant and flexible connection options. Finally, the EKI-9226G series feature dual power inputs to ensure system stability and 2 relay output for greater user flexibility.

Specifications

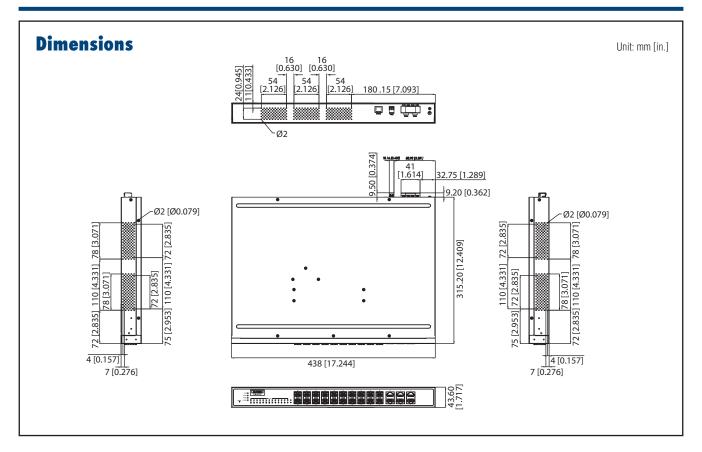
Communications

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 Standard 	IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab	 Power Reverse Overload Current 	Present Present
- LAN	10/100/1000BASE-TX, optional 100BASE-FX, 1000BASE-SX/LX/LHX/XD/ZX/EZX	Environment	Fleseni
 Transmission Distance Transmission Speed 	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) Gigabit copper: 10/100/1000 Mbps, Auto-Negotiation Gigabit fiber: Up to 1000 Mbps	 Operating Temperature Storage Temperature Operating Humidity Storage Humidity 	-40 ~ 85°C (-40 ~ 185°F) -40 ~ 85°C (-40 ~ 185°F) 5 ~ 95% (non-condensing) 5 ~ 95% (non-condensing)
Interface		Certification	
 Connectors 	6 x RJ45 (Ethernet) 20 x SFP ports 3-pin removable screw terminal (power) 4-pin removable screw terminal (relay)	SafetyEMIEMS	UL 60950 CE FCC Class A EN 61000-4-2 EN 61000-4-3
LED IndicatorsConsole	10/100TX: Link/activity, duplex/collision Gigabit copper: Link/activity, speed (1000 Mbps) SFP: Link/activity RS-232 (RJ45)		EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN61000-6-2
Mechanism Enclosure Dimensions (W x H x D Mounting 	IP30, metal shell with solid mounting kit 438 x 44 x 315.2 mm 1U 19" rack mount	 Shock Freefall Vibration Power Automation 	EN61000-6-4 IEC 60068-2-27 IEC 60068-2-32 IEC 60068-2-6 IEC 61850-3, IEEE1613
Power Power Consumption Power Input	35W EKI-9226G-20FMI: 48Vpc	 Railway Application 	EN50121-4
- Fault Output	EKI-9226G-20F0I: 90 ~ 264V_{AC}/88 ~ 370V_{DC} 2 relay outputs		

Protection

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EKI-9226G-20FMI EKI-9226G-20F0I



L2 Features

•	L2 MAC Address	8K
•	Jumbo Frame	9 KB
•	VLAN Group	4093 (VLAN ID 1~4093)
•	VLAN	Mac-based VLAN, protocol-based VLAN, IP subnet-based VLAN, port-based VLAN, GVRP
•	Port Mirroring	Per port, multi-source port
•	IP Multicast	IGMP snooping v1/v2/v3, MLD snooping, IGMP immediate leave
•	Storm Control	Broadcast, multicast, unknown unicast
•	Spanning Tree	IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring Pro
Q	oS	
•	Priority Queue Scheduling	WRR, SP
•	Class of Service	IEEE 802.1p-based CoS, IP TOS, DSCP-based CoS
•	Rate Limiting	Egress rate limit, ingress rate limit
•	Link Aggregation	IEEE 802.3ad dynamic port trunking, static port trunking
S	ecurity	

Port Security	Static, dynamic
 Authentication 	802.1x (port-based), RADIUS, TACACS+
ACL	550 rules

 Advanced Security IP Source Guard

Management

NTP

- DHCP Client, server, relay, option 66/67 SNMP v1/v2c/v3, WEB, Telnet, RMON, standard MIB,
- Access Security Access
- private MIB
 - SSH 2.0, SSL TFTP, HTTP, dual image
- Software Upgrade NTP client

Ordering Information

- EKI-9226G-20FMI-AE
- EKI-9226G-20F0I-AE
- Industrial Rackmount L2 Managed Switch with 48 $V_{\mbox{\tiny DC}}$ Industrial Rackmount L2 Managed Switch with
- $90 \sim 264 V_{AC}/88 \sim 370 V_{DC}$