EKI-5526/I

Introduction

The EKI-5526/I are the world's first convergence switches for process control and IT networking management. This series uses Modbus/TCP to communicate with the SCADA software and SNMP to communicate with the NMS (Networking Management System) at the same time, thereby allowing full read control over the devices either for control engineers or for IT. The devices come with the Port-based QoS for deterministic data transmission allows the priority ports to prioritize the traffic coming over those ports and delay the less immediately necessary data over the remaining ports. EKI-5526/I switches use the highest quality components, to enable the range to operate in temperatures of between -40 and 75°C along with EMS Level 3 protection to repel electromagnetic interface for industrial resistance.

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Specifications

Communications

Communications				
③ Standard	IEEE 802.3, 802.3u, 802.3x, 8	802.1p. 802.3az. 802.3ab		
3	LAN 10/100Base-T(X)			
-	Distance Up to 100 m			
3	Transmission Speed	Up to 100 Mbps		
9	Transmission Speed	Op to Too Mops		
Interface				
3	Connectors 16 x RJ45	5		
	6-pin removable screw te	rminal (power & relay)		
3	LED Indicators P1, P2, P-Fail, Loop detection			
	10/100T(X): Link/Activity,	Speed		
Switch Properties				
3	MAC Table Size	8K		
3	Packet Buffer Size	128K bit		
3	Switching Capacity	3.2 Gbps		
3	Jumbo Frame 2048byte	S		
Power				
3	Power Consumption	Max. 3.84 W		
3	Power Input 12~48Vpc	(8.4~52.8Vpc).		
redundant dual inputs	· · · · · · · · · · · · · · · · · · ·	, (et t' e=te t b0);		
3	Fault Output 1 Relay C)utout		
0		apar		
Mechanism				
③ Dimensions (W)	/ x H x D) 74 x 120 x 84 mr	n		
 Dimensions (W 3 	,			
0	Enclosure IP30, meta	al shell with solid		
mountingkits				
3	Mounting DIN-Rail, V	Vall		
Protection				
3	Reverse Polarity	Present		
3	Overload Current	Present		
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Environment				
3 Operating Temperature EKI-5526: -10~60°C (14~140°F)				
	EKI-5526I: -4	0~75°C (-40)~167°F)	
3	Storage Tem	perature	-40 ~ 85°C (-40 ~	
185°F)				
3	Operating Hu	umidity	10 ~ 95% (non-	
condensing)		-		
3	Storage Hum	idity	10 ~ 95% (non-	
condensing)	·	•	X	
3	MTBF	4,653,552	2 hours	
		1 1		
Certification				
3	Safety	IEC/EN609	950, UL60950, UL508,	
	Class 1 Division	n 2, ATEX		
3	EMI FCC Part 15 Subpart B Class A, EN			
	55011/55022 C			
3 EMS	EN 61000-4-2 (Level 3)			
	EN 61000-4-3 (Level 3)			
	EN 61000-4-4 (Level 3) EN 61000-4-5 (Level 3) EN 61000-4-6 (Level 3)			
	EN 61000-4-8 (Level 3)			
③ Shock	IEC 60068-2-27			
3	Freefall		8-2-32	

Ordering Information

③ Switch	EKI-5526	16-port Fast Ethernet ProView	
3	EKI-5526I	16-port Fast Ethernet	
	ProView Switch	ProView Switch with Wide Temperature	

IEC 60068-2-6

Vibration

16-port Fast Ethernet ProView Switch

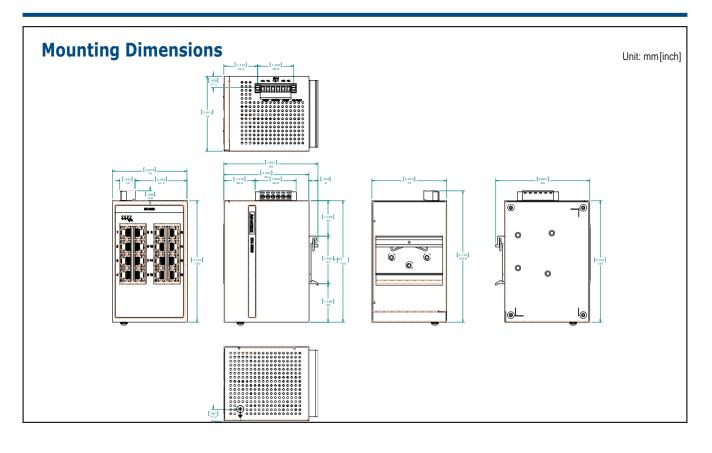
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Features

3 Communicates with SCADA software via Modbus/TCP

- 3 Communicates with NMS (Networking management system) via SNMP
- 3 Port-based QoS for deterministic data transmission
- 3 -40~75°C operating temperature range (EKI-5526I only)
- 3 12 ~48 V_{DC} (8.4~52.8 $V_{\text{DC}})$ wide-range power input
- 3 EMS level 3 protection for extreme outdoor environments
- 3 IEEE 802.3az Energy Efficient Ethernet (EEE)
- 3 Jumbo Frame Support (Up to 2048 Bytes)
- 3 Supports redundant 12~48V_{DC} power input and P-Fail relay
- 3 Loop detection

EKI-5526/I



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