EKI-2525M EKI-2526M/S

4+1 100FX Port Multi-Mode Unmanaged **Industrial Ethernet Switch**

4+2 100FX Port Unmanaged Industrial **Ethernet Switch**

Provides 1 x 100 Mbps Multi-mode SC type fiber optic port (EKI-2525M)

Provides 2 x 100 Mbps Multi-mode SC type fiber optic port (EKI-2526M)

Provides 2 x 100 Mbps Single-mode SC type fiber optic port (EKI-2526S)

Provides 4 x 10/100 Mbps Ethernet ports with RJ-45 connector

Supports full/half duplex flow control Supports MDI/MDI-X auto crossover

Provides broadcast storm protection

Provides redundant 12 ~ 48 V_{DC} power input Provides flexible mounting: DIN-rail, panel mounting



Introduction

EKI-2525M/2526M/2526S are industrial-grade Ethernet switches that enable you to expand your industrial network fast and cost-effectively. The EKI-2525M/2526M/2526S have four 10/100 Mbps Ethernet ports, and additionally the EKI-2525M/2526M provides one or two multi-mode fiber-optic ports, while the EKI-2526S provides two single-mode fiber-optic ports. Using fiber-optics, you can prevent noise from interfering with your system and supports high-speed (100 Mbps) and high-distance (up to 30 km) transmissions.

EKI-2525M/2526M/2526S have industrial-grade designs, assuring high reliability and stability in harsh environments, making it a robust bridge between enterprise fiber-optic backbones and Ethernet devices. EKI-2525M/2526M/2526S includes a switch controller that can automatically sense transmission speeds. The RJ-45 interface can also be autodetected, so MDI or MDI-X is automatically selected and a crossover cable is not required. All the Ethernet ports have memory buffers that support the store and forward mechanism, assuring all data is transmitted properly.

Specifications

Communications

 Standard LAN Transmission Transmission Optical Fiber Multi-Mode 		IEEE 802.3, 802.3u, 802.3x 10/100Base-T(X), 100Base-FX Ethernet: Up to 100 m Multi-mode Fiber: Up to 2 km (EKI-2525M/2526M) Single-mode Fiber: Up to 30 km (EKI-2526S) Up to 100 Mbps Wavelength: 1310nm
(EKI-2525M/EK Single-Mode (E	,	Tx Power: -14/-20dBm Rx Sensitivity: -31dBm Parameters: 50/125um, 62.5/125um Wavelength: 1310nm Tx Power: -8/-15dBm Rx Sensitivity: -34dBm Parameters: 9/125um
Interface		
 Connectors 		4 x RJ-45 ports 1 x SC type fiber connector (EKI-2525M) or 2 x SC type fiber connector (EKI-2526M/S) 6-pin removable screw terminal (Power & Relay)
 LED Indicator 	S	P1, P2, P-Fail 10/100T(X): Link/Activity, Duplex/Collision
Power		
 Power Consul 	mption	EKI-2525M: Max. 5 W EKI-2526M: Max. 6.41 W EKI-2526S: Max. 6.45 W
Power InputFault Output		12 ~ 48 V _{DC} , redundant dual inputs 1 Relay Output

Mechanism

Features

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 Dimensions (W x H x D) Enclosure Mounting 	37 x 140 x 95 mm IP30, Metal shell with solid mounting kits DIN-rail, Wall		
Protection			
 Reverse Polarity Overload 	Present EKI-2525M: 0.9 A @ 12 V_{DC} (Re-settable Fuse) EKI-2526M/S: 1.6 A @ 12 V_{DC} (Re-settable Fuse)		
Environment			
 Operating Temperature Storage Temperature Operating Humidity Storage Humidity MTBF 	-40 ~ 85° C (-40 ~ 185° F)		
Certifications			
 Safety EMC 	UL 60950-1, CAN/CSA-C22.2 No.60950 U.S.A.: FCC Part 15 CISPR 22 EU: EN55011, EN61000-6-4, EN55022 Class A, EN61000-3-2/3, EN55024 IEC61000-4-2/3/4/5/6/8, EN61000-6-2/4		
ShockFreefallVibration	IEC60068-2-27 IEC60068-2-32 IEC60068-2-6		
Ordering Info	rmation		

- 5-port Ethernet Switch w/ 1-port 100FX MM EKI-2525M EKI-2526M 6-port Ethernet Switch w/ 2-port 100FX MM EKI-2526S
 - 6-port Ethernet Switch w/ 2-port 100FX SM