

Unmanaged 5 x 10/100 RJ45 Industrial Switch

Description

KLEMSAN's KIES-105A unmanaged industrial fast ethernet switch specifically designed to suit your heavy industrial environments. Switch provides 5-port 10/100Base-TX in a rugged, hardened case and components able to withstand a high degree of vibration and shock and an operating temperature from -40°C to 75°C. Not an ordinary industrial switch, the KIES-105A is engineered and designed especially for harsh and extreme industrial type applications. With its hardened case, redundant DC power inputs, and high performance components, the KIES-105A is perfectly suited for your extreme industrial automation environment.

The KIES-105A provides varied choice of deployment locations even in harsh environments Din-Rail options in a quick and easy way with no configuration required. Every KIES-105A is equipped with auto MDI/MDI-X on all ports for simple connection to other switches and hubs. Each port of KIES-105A has 2 LEDs to show the link status transmission.

Features Highlight

Robust Performance and Protection

With IP30 metal case, surge protection, power voltage drop alarm, and ESD protection, the KIES-105A provides a high level of immunity against electromagnetic interference and heavy electrical surges which are easy to deploy in industrial environments. Furthermore, the KIES-105A offers high performance switch architecture with 5 ports of 10/100Based-TX to meet the requirements of high-bandwidth access Ethernet, Fast Ethernet in tough operating temperatures.

Simplified Installation w/ Compact Size

The KIES-105A provides varied choice of deployment locations even in small places, harsh environments with its wall-mount and Din-Rail options in a quick and easy way by its compact size and no configuration required. Every KIES-105A is equipped with auto MDI/MDI-X on all ports for simple connection to other switches and hubs.

Broadcast Storm

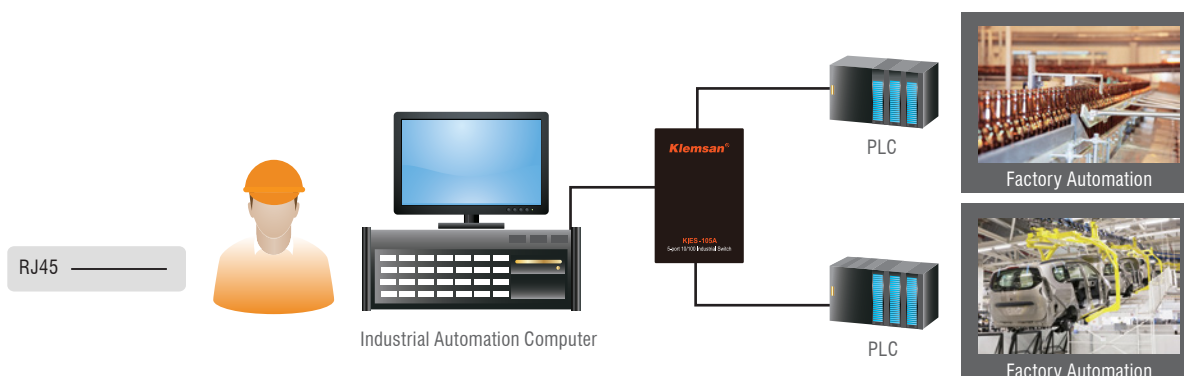
Broadcast storm control prevents excessive traffic on a LAN from being disrupted by a broadcast storm on a port. By enabling it allows you to monitor the traffic levels of the incoming broadcast packet rate and limits over an interval of time further drop excess packets. It prevents unnecessary extreme traffic and improves network performance.

Applications

The KIES-105A is compatible with 10/100Mbps through RJ45 transceivers to guarantee a strong, stable connection of Ethernet, Fast Ethernet or Gigabit Ethernet, as an ideal solution for deployment in multiple high-speed automation systems.



RoHS
CE FC



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Specifications

Standards

IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX
IEEE 802.3x	Flow Control
IEEE 802.3	Nway Auto-Negotiation

Interface

Ports	5 x 10/100Base-TX (RJ45)
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Features

Performance	Jumbo Frame Size: 1552 Bytes
	MAC Table size: 1K
	Throughput: 14,880 pps to 10 Mbps ports
	148,800 pps to 100 Mbps ports
QoS	Switch Fabric: 1.0Gbps
	Broadcast storm protection for broadcast packet

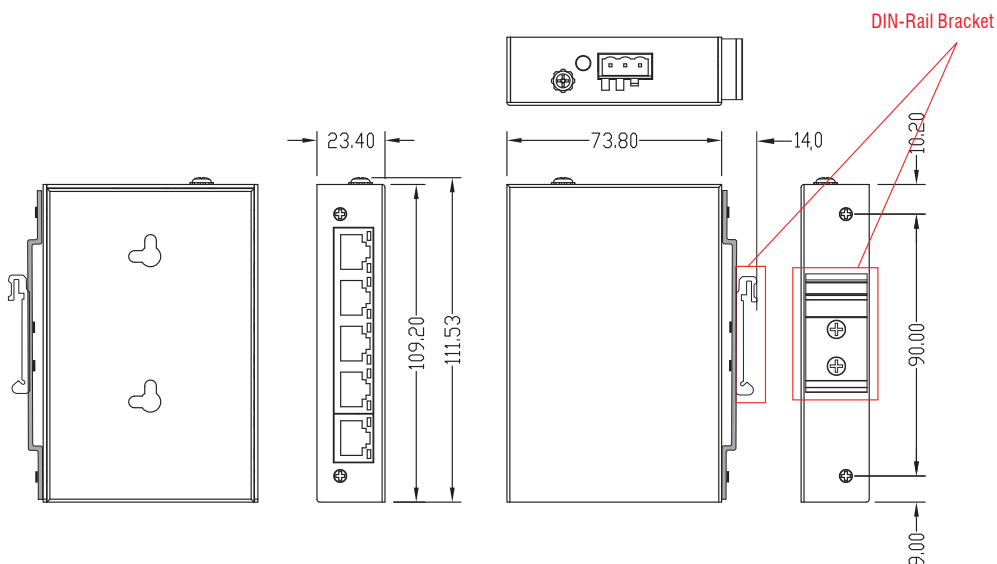
Power

Input Voltage	12~48VDC, 0.2A max
Connection	Terminal block
Power Input Polarity Protection	Present
Current Overload Protection	Present
Power Consumption	3W(MAX)

Mechanical and Environment

Housing	Aluminum (IP30 Protection)
Mounting	DIN-Rail, Wall Mount
Operating Temperature	-40°C~75°C (-40°F~167°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Operating Humidity	5 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	180 g (0.4 lb)
Dimension (WxHxD)	23.4 x 109.2 x 73.8 mm (0.9 x 4.3 x 2.9 in)

Dimension



Standards and Certifications

CE	EMI	FCC Part 15
		EN 55011
		EN 55032 Class B
	EMS	EN 61000-6-4
		EN 55024
		EN 61000-6-2
		IEC 61000-4-2 (ESD) : Level 3
		IEC 61000-4-3 (RS) : Level 3
		IEC 61000-4-4 (Burst) : Level 3
		IEC 61000-4-5 (Surge) : Level 3
EN 61000-4-6 (CS) : Level 3		
IEC61000-4-8(PFMF)		
Shock Test	IEC 60068-2-27 (Processing)	
Freefall Test	IEC 60068-2-32 (Processing)	
Vibration	IEC 60068-2-6 (Processing)	

Ordering Information

KIES-105A	Unmanaged 5 x 10/100 RJ45 Industrial Switch
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*Specifications subject to change without notice.