INS-8008 Series
Unmanaged Industrial Ethernet Switch
8-port 10/100Base-TX

Description

The INS-8008 Series is an unmanaged industrial fast ethernet switch featuring 8 independent 10/100Base-TX ports designed for automation application networks to deliver unrivalled performance. Switch is built with 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. The INS-8008 Series is engineered and designed especially for harsh and extreme industrial type applications. With its hardened case and high performance components, the INS-8008 Series is an ideal solution for your extreme industrial automation environment.

The DIN-Rail mounting capability which is already attached, wide operating temperature and the IP30 housing with LED indicators make the plug-and-play INS-8008 Series switches easy to use and reliable for deployment even in harsh environments with wall-mount, rack-mount and desktop options in a quick and easy way with no configuration required.

RoHS
CE FC
-40°C 75°C Wide Temperature
IP Code 30

Features Highlight

Robust Switch Performance

With IP30 metal case, surge protection, power voltage drop alarm, and ESD protection, the INS-8008 Series provides a high level of immunity against electromagnetic interference and heavy electrical surges which are easy to deploy in industrial environments. Furthermore, the INS-8008 Series offers high performance switch architecture with 8 ports of 10/100Based-TX to meet the requirements of high-bandwidth access Ethernet, Fast Ethernet in tough operating temperatures.
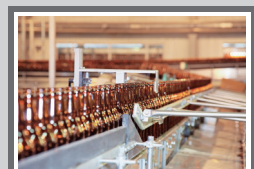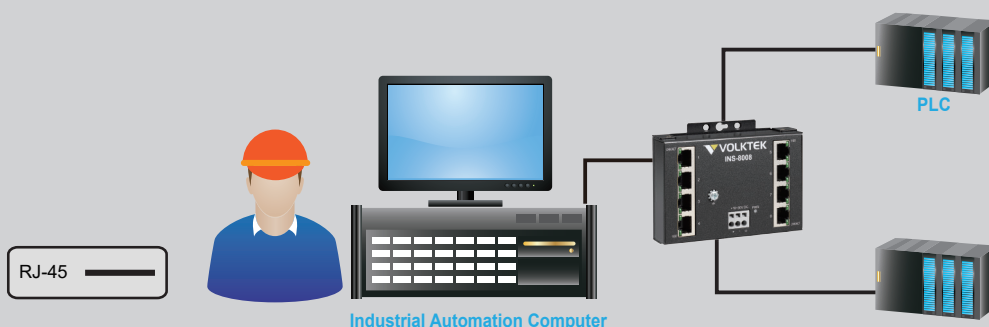
Cold
-40°C
Hot
75°C

Simplified Installation w/ Compact Size

The INS-8008 Series 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 INS-8008 Series is equipped with auto MDI/MDI-X on all ports for simple connection to other switches and hubs. With diagnostic LEDs panel, the INS-8008 Series allows you to know switch status and simplify troubleshooting.

Applications

The INS-8008 Series is compatible with 10/100Mbps through RJ45 transceivers to guarantee a strong, stable connection of Ethernet, Fast Ethernet through SFP slots, as an ideal for deployment in multiple high-speed automation systems.

PLC

RJ-45

Industrial Automation Computer

PLC

Factory Automation

Factory Automation

Specifications

Standards

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

Interface

Ports	8 x 10/100Base-TX (RJ45)

Features

Performance	Jumbo Frame Size: 1536 Bytes
	MAC Table size: 2K
	Throughput: 14,880 pps to 10 Mbps ports
	148,800 pps to 100 Mbps ports
	Switch Fabric: 1.6Gbps

Power

Input Voltage	18~30V DC
Connection	Terminal block
Power Input Polarity Protection	Present
Power Consumption	4W (Max)

Mechanical and Environment

Housing	Metal Case (IP30 protection)
Mounting	Metal
Operating Temperature	10°C to 70°C
Wide Operating Temperature	-40°C to 75°C
Storage Temperature	-40°C to 85°C
Operating Humidity	10 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	145g
Dimension (WxHxD)	109.2x73.8x30.73mm (WxHxD)

Standards and Certifications

	EMI	FCC Part 15 Subpart B class A EN 55022
		EN 55011
		IEC/EN 61000-6-4
CE	**EMS**	EN 55024
		EN 61000-6-2
		IEC/EN 61000-4-2 (ESD) : Level 2
		IEC/EN 61000-4-3 (RS) : Level 3
		IEC/EN 61000-4-4 (Burst) : Level 3
		IEC/EN 61000-4-5 (Surge) : Level 2
		IEC 61000-4-6 (CS) : Level 2
Shock Test		IEC 60068-2-27 (Processing)
Freefall Test		IEC 60068-2-32 (Processing)
Vibration		IEC 60068-2-6 (Processing)

Ordering Information

INS-8008	8-Port 10/100Base-TX Unmanaged Industrial Switch
INS-8008W	8-Port 10/100Base-TX Unmanaged Industrial Wide Temperature Switch

Specifications subject to change without notice.

Dimension

DIN-Rail Bracket