

# INS-8008

## Unmanaged Industrial Ethernet Switch

8-port 10/100Base-TX



### Description

The INS-8008 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 0°C to 70°C (wide operating temperature from -40°C to 70°C for INS-8008W). The INS-8008 is engineered and designed especially for harsh and extreme industrial type applications. With its hardened case and high performance components, the INS-8008 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 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.



### Features Highlight

#### Robust Switch Performance

With IP30 metal case, surge protection, power voltage drop alarm, and ESD protection, the INS-8008 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 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.

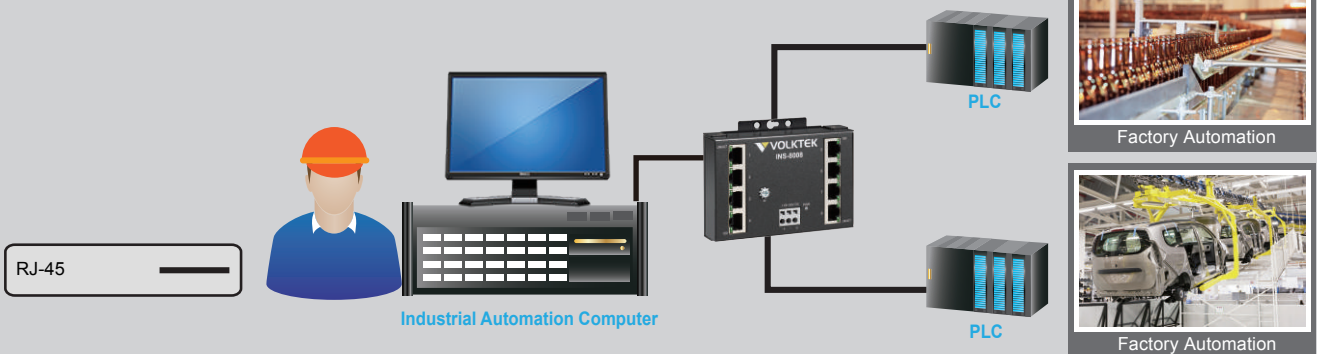


#### Simplified Installation w/ Compact Size

The INS-8008 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 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 allows you to know switch status and simplify troubleshooting.

### Applications

The INS-8008 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



**Specifications**

Standards	
IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX
IEEE 802.3x	Flow Control
Performance	
Throughput	14,880 pps to 10 Mbps ports 148,800 pps to 100 Mbps ports
Switch Fabric	1.6Gbps
MAC Table size	2K
Jumbo Frame Size	1536 bytes
Power	
Input Voltage	18~30V DC
Connection	Terminal block
Power Input Polarity Protection	Present
Power Consumption	3W (Max)
Interface	
Ports	8 x 10/100Base-TX (RJ45)
Mechanical and Environment	
Housing	Metal Case (IP30 protection)
DIN-Rail Mounting	Metal
Operating Temperature	0°C to 70°C (INS-8008)
Wide Operating Temperature	-40°C to 70°C (INS-8008W)
Operating Humidity	10 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	145g
Dimension	109.2x73.8x28.4mm (WxHxD)

Standards and Certifications		
CE	EMI	FCC Part 15 Subpart B class A EN55022 EN 55011 EN 61000-6-4
	EMS	EN 55024 EN 61000-6-2 : IEC 61000-4-2 ( ESD ) : Level 2 IEC 61000-4-3 ( RS ) : Level 3 IEC 61000-4-4 ( Burst ) : Level 3 IEC 61000-4-5 ( Surge ) : Level 2 IEC 61000-4-6 ( CS ) : Level 3
Approval & Test		
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**

