

INS-8005

Unmanaged 5 x 10/100 RJ45 Industrial Switch

Description

Volktek's INS-8005 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 70°C. Not an ordinary industrial switch, the INS-8005 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 INS-8005 is perfectly suited for your extreme industrial automation environment.

The INS-8005 provides varied choice of deployment locations even in harsh environments with wall-mount and Din-Rail options in a quick and easy way with no configuration required. Every INS-8005 is equipped with auto MDI/MDI-X on all ports for simple connection to other switches and hubs. Each port of INS-8005 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 INS-8005 provides a high level of immunity against electromagnetic interference and heavy electrical surges which are easy to deploy in industrial environments. Furthermore, the INS-8005 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.

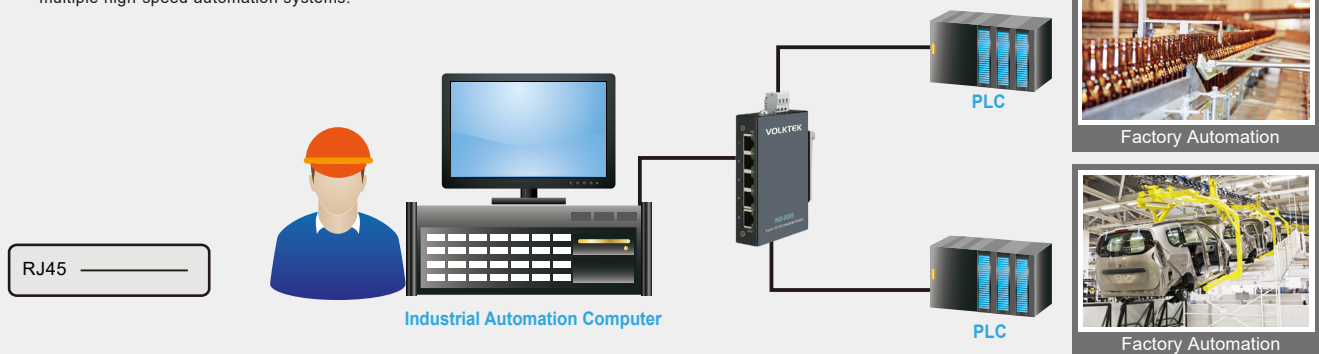


Simplified Installation w/ Compact Size

The INS-8005 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-8005 is equipped with auto MDI/MDI-X on all ports for simple connection to other switches and hubs.

Applications

The INS-8005 is compatible with 10/100/1000Mbps 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.



Specifications

Standards	
IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX
IEEE 802.3x	Flow Control
Interface	
Ports	5 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: 1.0Gbps	
Power	
Input Voltage	18~30V DC
Connection	Terminal block
Power Consumption	3W (Max)
Surge Protection	6KV
ESD Protection	8KV
Mechanical and Environment	
Housing	Aluminum (IP30 Protection)
Mounting	DIN-Rail, Wall Mount
Operating Temperature	-40°C to 70°C
Storage Temperature	-40°C to 85°C
Operating Humidity	5 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	145g
Dimension (WxHxD)	23.4x109.2x73.8mm (WxHxD)

Standards and Certifications		
CE	EMI	FCC Part 15 Subpart B class A EN 55022 EN 55011 EN 61000-6-4
	EMS	EN 55024 EN 61000-6-2 EN 61000-4-2 (ESD) : Level 3 EN 61000-4-3 (RS) : Level 3 EN 61000-4-4 (Burst) : Level 3 EN 61000-4-5 (Surge) : Level 2 EN 61000-4-6 (CS) : Level 3
Marine		DNV 2.4, IEC-60945, IACS E10
Shock Test		IEC 60068-2-27 (Processing)
Freefall Test		IEC 60068-2-32 (Processing)
Vibration		IEC 60068-2-6 (Processing)
Ordering Information		
INS-8005		Unmanaged 5 x 10/100 RJ45 Industrial Switch, Aluminum

*Specifications subject to change without notice.

Dimension

