INS-8005 Series
Unmanaged Industrial Ethernet Switch
5-port 10/100Base-TX

Description

Volktek's INS-8005 Series 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 INS-8005 Series 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 Series is perfectly suited for your extreme industrial automation environment.

The INS-8005 Series 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 Series is equipped with auto MDI/MDI-X on all ports for simple connection to other switches and hubs. Each port of INS-8005 Series has 2 LEDs to show the link status transmission.

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-8005 Series provides a high level of immunity against electro-magnetic interference and heavy electrical surges which are easy to deploy in industrial environments. Furthermore, the INS-8005 Series 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.

Cold -40°C   Hot 75°C

Simplified Installation w/ Compact Size

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

Applications

The INS-8005 Series is compatible with 10/100Mbps through RJ45 transceivers to guarantee a strong, stable connection of Ethernet, Fast Ethernet, as an ideal solution for deployment in multiple high-speed automation systems

RJ-45

Industrial Automation Computer

PLC

PLC

Factory Automation

Factory Automation

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	Metal Case (IP30 protection)
Mounting	DIN-Rail, Wall Mount
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)	23.4x109.2x73.8mm (WxHxD)

Standards and Certifications		
CE	**EMI**	FCC Part 15 Subpart B class A EN 55022
		EN 55011
		IEC/EN 61000-6-4
	EMS	EN 55024
		EN 61000-6-2
		IEC/EN 61000-4-2 (ESD) : Level 3
		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 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	5-Port 10/100Base-TX Unmanaged Industrial Switch
INS-8005W	5-Port 10/100Base-TX Unmanaged Industrial Wide Temperature Switch

Specifications subject to change without notice.

Dimension