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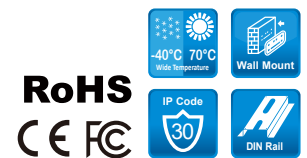
INS-8008
Unmanaged 8 x 10/100 RJ45 Industrial Switch

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 -40°C to 70°C. 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 Performance and Protection

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

RJ45

Industrial Automation Computer

PLC

PLC

Factory Automation

Factory Automation

VOLKTEK

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	Aluminum (IP30 Protection)
Mounting	DIN-Rail, Wall Mount (optional)
Operating Temperature	-40°C~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)	109.2x73.8x30.73mm (WxHxD)

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 2
			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 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	Unmanaged 8 x 10/100 RJ45 Industrial Switch, -40°C ~ 70°C

Specifications subject to change without notice.

Dimension

DIN-Rail Bracket