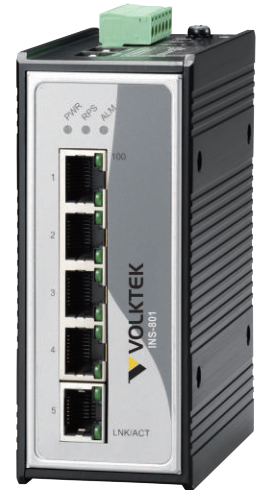


# INS-801

## Unmanaged Industrial Ethernet Switch

5-port 10/100Base-TX



**RoHS CE FC**



**Description**

The INS-801 is an unmanaged industrial switch ideal for deployment in multiple high-speed automation systems with its 5-port 10/100Base-TX that support auto-MDI/MDI-X detection and flow control. The INS-801 is built to deliver high performance in industrial environments where vibration, shock, heat, and RF interference is commonplace. Rugged design of the switch makes DIN-rail mounting and installation very easy, especially in places where space is limited.

The INS-801 Unmanaged Industrial Switch is a hardened switch designed with redundant DC power inputs to provide a reliable and economical solution for your industrial Ethernet environment. With its dry contact smart alarm, the INS-801 can initiate a physical alarm (audible and/or visible) in the event of a malfunction. The INS-801 operates in wide temperatures ranging from -40°C to 75°C and handles higher than normal degrees of vibration and shock, making it perfectly suitable for harsh industrial environments.

**Features Highlight**

**Robust Switch Performance**

With IP30 aluminum case, surge protection, power voltage drop alarm, and ESD protection, the INS-801 provides a high level of immunity against electromagnetic interference and heavy electrical surges which are easy to deploy in industrial environments. Furthermore, the INS-801 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.



**Redundant Power System**

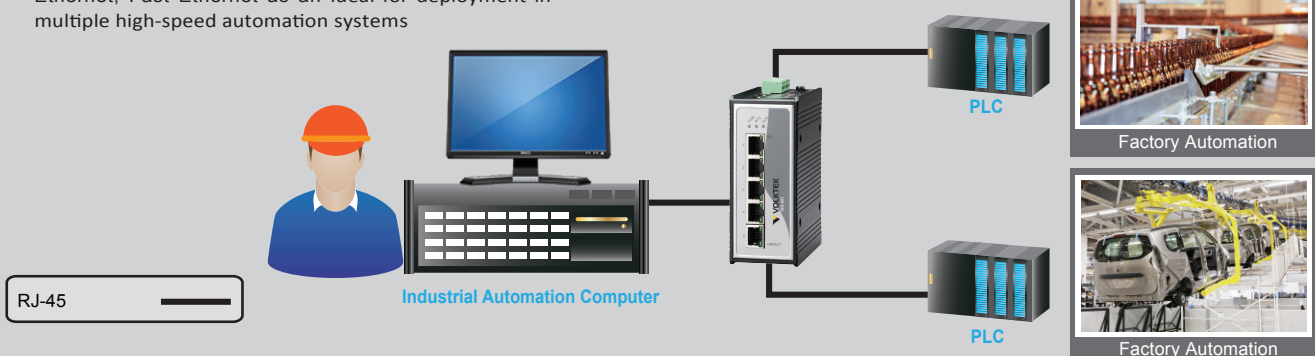
Mission-critical industrial applications need to operate without any interruptions because even a minimum network downtime can hugely impact the overall output. Providing continuous power and as well as data to such applications is now made easy with INS-801's redundant power system. The switch is designed with standard industrial terminal block for redundant power. In case the internal power supply fails, the INS-801's terminal block powers the switch and enables the switch to provide continuous services to powered devices.

**Support IEEE 802.1p QoS**

Designed with one port to get priority bandwidth for video streaming and sensitive data traffics through QoS ports, it can be experienced better performance of multimedia streaming preferred through prioritized bandwidth setting.

**Applications**

The INS-801 is compatible with 10/100Mbps through RJ45 transceivers to guarantee a strong, stable connection of Ethernet, Fast Ethernet 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	1Gbps
MAC Table size	2K
Power	
Primary/Redundant inputs	9~48V DC
Connection	One removable 6-pin terminal block
Power Input Polarity Protection	Present
Power Voltage Drop Alarm	Present
Power Consumption	4W (Max)
ESD Protection	8KV
Interface	
Ports	5 x 10/100Base-TX (RJ45)
Mechanical and Environment	
Housing	Aluminum (IP30 protection)
Mounting	DIN-Rail
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	480g
Dimension (WxHxD)	50x121.4x100mm (1.97x4.78x3.94inch)

Standards and Certifications		
CE	EMI	FCC Part 15 Subpart B class A EN 55011 IEC/EN 60601-1-2
	EMS	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/EN 61000-4-6 ( CS ) : Level 3
Approval & Test		
Shock Test		IEC 60068-2-27
Freefall Test		IEC 60068-2-32
Vibration		IEC 60068-2-6
Ordering Information		
INS-801		5-Port 10/100Base-TX Unmanaged Industrial Switch
Optional Accessories		
Power Supplies		SDR-480P-48: 480W DIN-Rail 48V DC Industrial Power Supply, -25°C~70°C

\*Specifications subject to change without notice.

**Dimension**

