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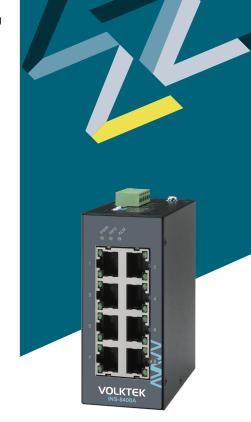
INS-8408A

Unmanaged 8 x 10/100/1000 RJ45 Industrial Switch

Description

The INS-8408A is an 8-port Gigabit Unmanaged Industrial Ethernet switch specifically designed for high-speed industrial Ethernet networks that demand both, high bandwidths and rugged connectivity. The INS-8408A is an environmental friendly product as it incorporates Green Ethernet design, IEEE802.3az - Energy Efficient Ethernet (EEE), to significantly reduce power consumption as well as operation costs. Well protected in a rugged IP30 grade housing, the switch ensures dependable and uninterrupted operations even in harsh environments, making it an ideal networking solution for Industrial applications.

Equipped with 8-10/100/1000BASE-T ports, the INS-8408A supports both Gigabit and Fast Ethernet options with Auto MDI/MDIX and Auto-negotiation to offer greater flexibility in choosing the type of connectivity you need. In addition to high-speed data transmissions, the switch supports 9K jumbo frame to increase throughput and QoS on ports-1&2 to ensure delivery of critical data. Redundant power supply with wide-range input power, built-in relay alarm for instant notification of power and port failure, DIN-Rail mounting and many more features of the INS-8408A fulfill the special needs of Industrial Ethernet networks.





















Features Highlight

Robust Performance and Protection

Built with field-hardened components and enclosed in rugged IP30 grade casing, the INS-8408A can withstand harsh industrial environments such as constant vibration, heavy shocks, humidity and extreme temperatures ranging from -40°C to 70°C. The switch supports Surge protection and ESD protection to deliver increased level of immunity against industrial voltage transients. Along with wide-range redundant power inputs extending from 9~57VDC, the INS-8408A integrates robust design and solid performance to ensure continuous operation of mission-critical applications even in tough and unstable industrial environments



Eco-friendly Green Ethernet Design

To address the concerns of increasing power consumption, the INS-8408A implements IEEE802.3az Energy Efficient Ethernet (EEE) compliant Green Ethernet technology. This eco-friendly design allows the switch to automatically adjust power consumption and conserve energy during the periods of low data activity. By powering down the links when utilization is low (or completely idle) and powering them back up when they need to transmit data, the INS-8408A saves substantial amounts of energy without affecting network performance. This helps you to lower energy usage significantly and save your operational costs



Optimal Bandwidth Utilization

Understanding the need of smoother data transmissions for specific industrial applications, the INS-8408A has two built-in VIP ports (ports 1, 2) that support IEEE802.1p Quality of Service (QoS). These two ports classifies, prioritizes and sends traffic only from highest priority queues as it arrives to ensure that high priority traffic is forwarded with least delay possible. Thereby, the INS-8408A enhances bandwidth utilization to ensure time sensitive data gets delivered efficiently to mission-critical applications connected to its two VIP ports, even during burst of high traffic.



Easy Plug-and-play Operation

Featuring Auto-MDI/MDIX and Auto-negotiation on all ports, the INS-8408A automatically detects and configures the best mode of operation over a link. This eliminates the need of user setup or configuration procedure and simplifies installation. The switch also has various DIP switches that provide a simplest and quickest way to manually turn on/off alarm for ports, primary and redundant power. In addition, the INS-8408A is designed for DIN-Rail mounting into industrial cabinets allowing convenient and simple Ethernet connections.



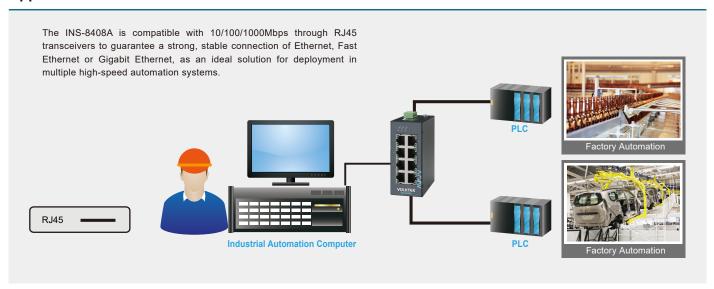


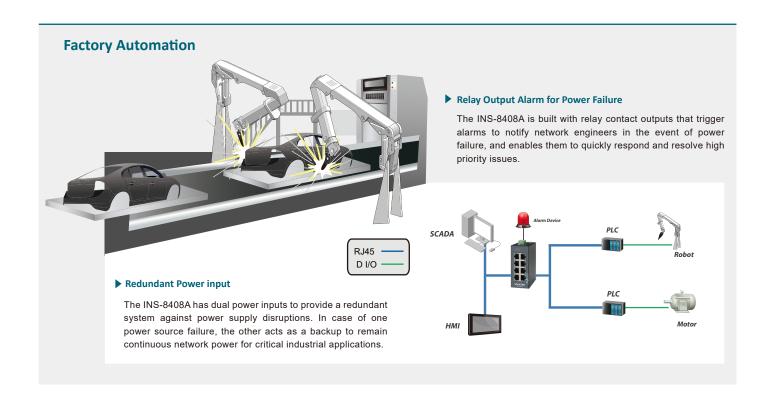
Features Highlight

Redundant Power by industrial Terminal Block

The 8408A is designed with an impressive, much more compact and safer industrial terminal block for redundant power, offering a low-cost, simple solution to the problem of unexpected power failures. In case the primary power supply fails, the INS-8408A's terminal block immediately powers switch with redundant power supply, and enables to provide continuous network services to mission-critical applications in industrial environments. Thus protecting the network from a single failure of a network device power supply and resulting in more reliable network.

Applications





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Specifications

Standards		
IEEE 802.3	10BASE-T	
IEEE 802.3u	100BASE-TX	
IEEE 802.3ab	1000BASE-T	
IEEE 802.3x	Flow Control	
IEEE802.3az	Energy Efficient Ethernet (EEE)	
IEEE802.1p	Quality of Service(QoS)	
Interface		
Ports	8 x 10/100/1000Base-T (RJ45)	
Connectors	One removable 6-pin terminal block	
Features		
	Throughput: 14,880 pps to 10 Mbps ports	
	148,800 pps to 100 Mbps ports	
Performance	1,488,000 pps to 1000 Mbps ports	
	Switch Fabric: 16Gbps	
Power		
Primary/Redundant	12/24/48V DC (9 to 57V DC)	
inputs	, ,	
Power Consumption	5W (Max)	
Alarm Relay	One relay output, 1 A @ 24V DC	
ESD protection	8KV / 15KV	
Surge protection	3KV / 6KV (RJ45 Ports Line to ground)	
Reverse Polarity	Present	
Overload current	Present	
Mechanical and Environment		
Housing	Metal (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	480g	
Dimension (WxHxD)	99.6x115.8x50mm (3.92x4.56x1.97inch)	

Standards and Certifications		
CE	ЕМІ	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) EN 61000-4-3 (RS) EN 61000-4-4 (Burst) EN 61000-4-5 (Surge) EN 61000-4-6 (CS) EN 61000-4-8 (PFMF) EN 61000-4-11
Shock	Test	IEC 60068-2-27
Freefa	II Test	IEC 60068-2-32
Vibrati	on	IEC 60068-2-6
Ordering Information		
INS-84	08A	Unmanaged 8 x 10/100/1000 RJ45 Industrial Switch
Option	al Accessories	
Power	Supply	SDR-120-48: 120W DIN-Rail 48VDC Industrial Power Supply, -25°C~70°C

^{*}Specifications subject to change without notice.

Dimension

