VOLKTEK

9015-16GT-I

Managed 16 x10/100/1000 RJ45 Industrial Switch

Description

The 9015-16GT-I is a Managed Industrial Switch equipped with 16 port 10/100/1000BASE-T for high-demand of device-connectivity. Engineered with hardened components and enclosed in a rugged IP40 case, with a wide temperature operation from -40°C to 75°C and has excellent tolerance capability to high vibration and shock for high demanding industrial environments.

9015-16GT-I navigates automation processes in a secure network using SSH, HTTPs, SNMPv3, 802.1X and TACACS+ and offers features to sustain a reliable operation with tools like Virtual Cable Tester, Multicast Address and MAC Flapping that assure data switching and transmission is at the right parameters in factory applications.

As continuous operation is crucial in applications with multiple devices and heavy machinery to permit effective interaction between devices and processes, 9015-16GT-I is connected to a Redudant Power Supply system in case one of the power sources fails and notifies in-site technicians with an alarm about the event.





















Features Highlight

Robust Performance and Protection

Well-protected in an IP40 casing, the switch provides high level of immunity against EMI and EMS found in industrial environments. Along with those, the 9015-16GT-I is built with various protection features such as ESD Protection, Surge Protection, Over Current Protection, Reverse Polarity Protection and Short Circuit Protection to ensure continuous operation of mission-critical applications even in unstable power conditions



Code Redundancy

The configuration file of the switch may be lost due to various reasons such as upgrading to a new firmware or power fluctuations and can lead to network down situation. To avoid such situations, the 9015-16GT-I provides a perfect alternate solution using its code redundancy feature with its dual flash. The dual flash memory allows the switch to store a backup file of primary configuration on one flash space. Even if the primary configuration file is lost, the backup file will enable the switch and ensure that your network is running continuously.

Efficient network monitoring and proactive capability

In a network, the issues that impact network performance can be quickly resolved with the 9015-16GT-I most accepted and enhanced traffic management protocols such as SNMP v1/v2c/v3 which gives an enhanced approach for real-time traffic analysis, remote-monitoring and management of individual switches within an industrial network, this avoids high OPEX. The switch is assimilated with intelligent e-mail alarm system and SNMP Trap functionality to detect system abnormality along with Faster Troubleshooting. In addition to this, the device maintains a system log for the subsequent analysis of abnormal and unwanted flaws.

Comprehensive QoS Mechanisms to Assign Priority

Industrial applications need different levels of services delivered to them reliably without any transmission delays and interruptions. The 9015-16GT-I has comprehensive QoS mechanisms which assign priority to applications and sends only specific dedicated traffic to them. In addition, bandwidth management function of the switch allocates high bandwidths to mission-critical communications and reduce the bandwidth to applications that are less critical. With full control of limiting the bandwidth, the administrators can prevent unpredictable errors and utilize the bandwidth more effectively.

Redundant Ring for Faster Network Recovery

Even few seconds of missed communications due to link failures, especially in industrial environment, can cause inconvenience and halt the network. The 9015-16GT-I is designed with various ring protocols like STP, RSTP where the network failure is recovered in time scale of milliseconds by ensuring the real-time network transmission.

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Features Highlight

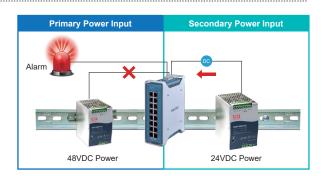
Strong Protection Against Electrical Threats

9015-16GT-I is incorporated with enhanced Reverse Polarity Protection function to provide safety against wrong combinations of positive and negative poles, which prevents huge internal circuitry damage. The Over Current Protection is designed with a secured fuse component to safeguard the device during sudden increase of current flow. In addition, a Power Isolation concept is used to separate the transmitted data from grounded noise enabling steady and noise free transmission.

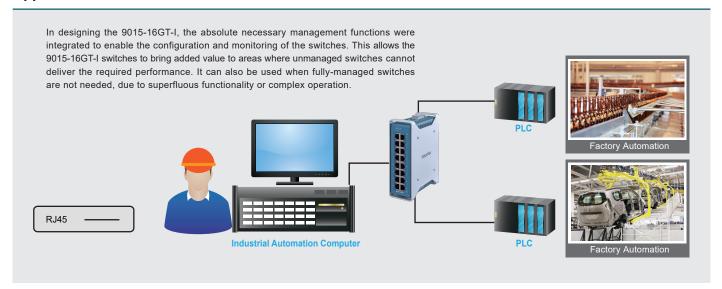


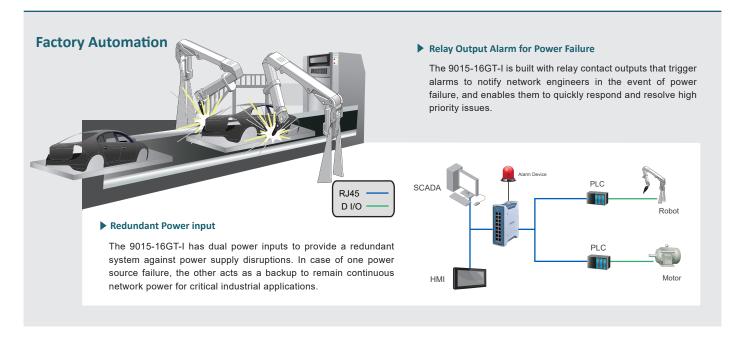
Redundant Power Input

When taking the failure impact of mission-critical applications into consideration, the 9015-16GT-I development uses a standard of industrial terminal block along with wide-range redundant power inputs extending from 24/48VDC. The redundant power provides continuous service even if the primary power fails, which results in a reliable and consistent network. In addition to this, the switch is also equipped with an alarm feature to notify the occurrence of power failure. This solution provides you with a quicker respond time and faster troubleshooting.



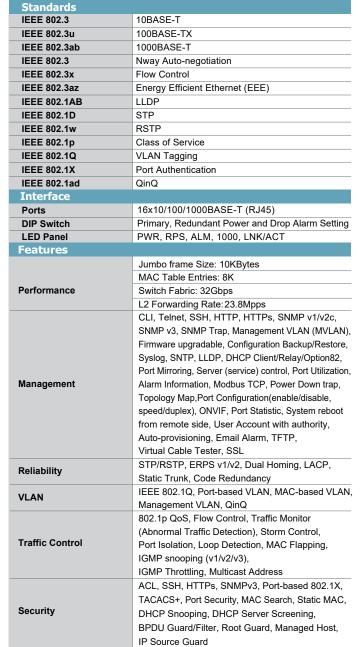
Applications





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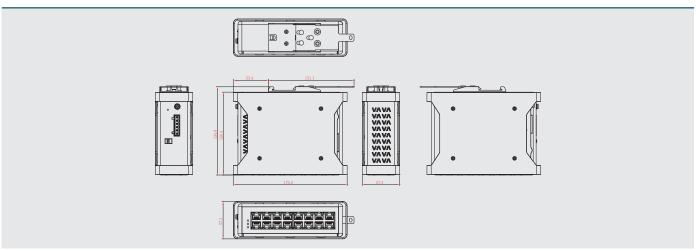




Power	
Input Voltage	Primary inputs: 12~60V DC
	Redundant inputs: 12~60V DC
Connection	Terminal Block
Power Consumption	18W (12V/1.5A)
Alarm Relay	1A @ 24V DC
Mechanical and Environment	
Housing	Aluminum (IP40 Protection)
Mounting	DIN-Rail
Operating Temperature	-40°C~75°C (-40°F~167°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Operating Humidity	5 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	918 g (2.02 lb)
Dimension (WxHxD)	57.3 x 175 x 126.4 mm (2.26 x 6.89 x 4.98 in)
Certifications	
ЕМІ	FCC Part 15 Subpart B Class A
	EN 55022 Class A
	EN 60950-1
EMS	EN 55024
	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)
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Ordering Information	
	Managed 16 x 10/100/1000 RJ45 Industrial Switch
Optional Accessories	
Power Supply	SDR-120-48: 120W DIN-Rail 48V DC Industrial
	Power Supply, -25°C~70°C (-13°F~158°F)
Note :	

Note:

Dimension



^{*} Specifications subject to change without notice.