













- 10-Port 10/100/1000Base-T + 4 (100/1000M) SFP L2 Plus Managed POE+ Switch
- L2+ features provide better manageability, security, QoS, and performance.
- Support L2+ Switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, POE+ management, IP Source Guard, ARP inspection, ACLs etc.
- Support spanning tree STP(802.1D) and RSTP(802.1W).
- Jumbo frames support up to 9.6K kilobytes.
- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP.
- Support cable diagnosis
- G.8032, support <50ms industrial quick ring protection
- Dual redundancy power input design for non-stop working.

Product Description

This L2+ managed POE+ switch, provides a reliable infrastructure for your business network. It delivers more intelligent features you need to improve the availability of your critical business applications, protects your sensitive information, and optimizes your network bandwidth to deliver information and applications more effectively. It provides the ideal combination of affordability and capabilities for entry level networking of industrial, small business or enterprise application which demands industrial. surveillance, IP Phone, IP Camera or Wireless applications, thus helps you create a more efficient workforce.

In short, it provides security, performance, quality of services, central managed and other network control capabilities. Optimized and customized design and affordable pricing, it best fit for SMB or entry-level enterprise solution. It passed the rigorously testing to deliver excellent performance. As a managed switching solution, it also provides flexibility to manage and prioritizes suitable-bandwidth traffic such as voice. In addition, it has advance security and gives you tight control to safeguard the network from unauthorized users.



Technical Specification

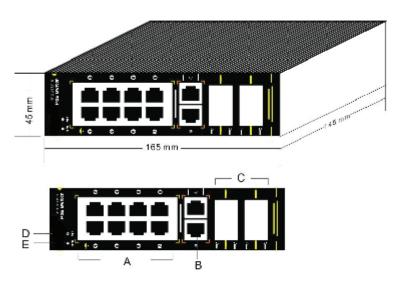
Product	14-Port Managed Industrial Ethernet Switch (KRN-ISWM-0842G)			
Performance (Switching capacity and forwarding rate)				
Capacity in Millions of Packets per Second (mpps) (64-byte packets) 41.6				
Switching Capacity in Gigabits per Second (Gbps) 52				
Interface				
Ports	10-Port 10/100/1000Base-T + 4 (100/1000M) SFP			
Layer 2 Switching				
Spanning Tree Protocol (STP)	Standard Spanning Tree 802.1d Rapid Spanning Tree (RSTP) 802.1w			
G.8032 ERPS	<50ms ring protection for industrial high reliable application			
Aggregation	Link Aggregation Control Protocol (LACP) IEEE 802.3ad;• • Up to 7 groups ;• Up to 14 ports per group			
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs); Port-based VLAN; 802.1Q tag-based VLAN			
IGMP v1/v2 snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 1024 multicast groups (source-specific multicasting is not supported)			
Security				
Secure Shell (SSH) Protocol	SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported			
Secure Sockets Layer (SSL), HTTPS	SSL encrypts the http traffic, allowing advance secure access to the browser-based management GUI in the switch			
Port Security	Locks MAC Addresses to ports, and limits the number of learned MAC addresses			
DHCP Snoopin	prevent unauthorized configuration and use of IP addresses, while proving support for IP Source Guard and ARP detection			
IP Source Guar	Prevents datagram with spoofed addresses from being in	n the network		
ARP Inspection	Prevent ARP spoofing attacks and ARP			
Storm control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port			
ACLs	Support for up to 256 entries; Drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag			
Quality of Serv	vice			
Hardware	Support 8 hardware queues			
Scheduling	8 COS queues per port support strict priority and weighted r	ound-robin (WRR)		



Classification	Port based; 802.1p(PCP) VLAN priority based;			
Rate Limiting	Ingress policer;egress shaping and rate control;per VLAN,per port and flow based			
Management	(Web/ SSL, Telnet/ SSH, ping, Trivial File Transfer Protocol (TFTP), SNMP, Syslog)			
Web GUI	Built-in	Built-in switch configuration utility for browser-based device configuration (HTTP/		
interface	HTTPs)	TTPs). Supports configuration, system dashboard, maintenance, and monitoring		
Dual Image		Dual image provides independent primary and secondary OS files for backup while upgrading		
Firmware	Web bro	Web browser upgrade (HTTP/ HTTPs) and TFTP; Upgrade through console port		
upgrade	as well	as well		
Dowt	Traffic o	Traffic on a port can be mirrored to another port for analysis with a network		
Port mirroring	analyze	analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored		
	to single destination port. A single session is supported.			
Other		Single IP management; HTTP/HTTPs; SSH; RADIUS; DHCP Client; SNTP; cable		
management	diagnostics; ping; syslog; Telnet client (SSH secure support)			
Green Ethern				
Green and Energy-saving Ethernet (EEE	turns	Compliant IEEE802.3az Energy Efficient Ethernet Task Force. Automatically turns off power on Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up		
Cable length detection	-	Adjusts the signal strength based on the cable length. Reduces the pow consumption for cables shorter.		
General	'			
Jumbo frames	Frame sizes up to 9KB supported on Gigabit interfaces			
MAC Table				
Discovery	,			
Link Layer Discovery Protocol (LLDP)		Used by network devices for advertising their identities, capabilities, and neighbors on a IEEE 802 local area network, principally wired Ethernet.		
Minimum Req	uiremen	ts		
Category 5 Eth	nernet net	irefox version 2.5 or later, Microsoft Internet Explorer version 6 or later; twork cable; r, and network operating system (such as Microsoft Windows, Linux, or		
		each computer in network		
Environmenta		minary)		
Dimensions	<u> </u>	165x145x45mm		
Working		Operating temperature: -40 to 75 °C; Storage temperature: -40 °C to 75 °C;		
Environment	1 '	Operating humidity: 10% to 90%, relative, non-condensing		

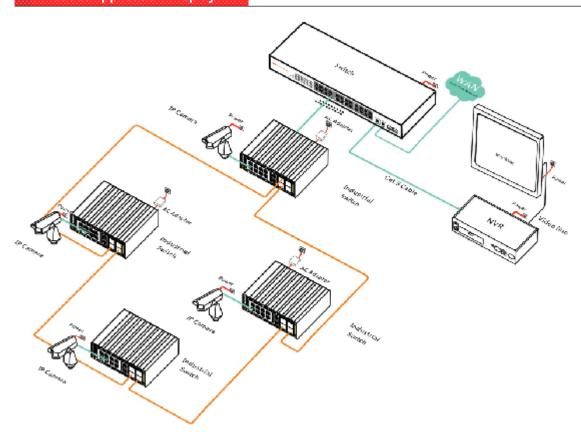


Product Size Display



- A. RJ45 Ports
- C. Gigabit SFP Uplink
- B. Gigabit RJ45 Uplink
- D. Reset
- E. System Working Indicator

Product Application Display





Product Ordering Information

Product Model: KRN-ISWM-0842G

Product Description: 14-Port Gigabit Managed Industrial Ethernet Switch with 10-Port 10/100/1000Base-T + 4 (100/1000M) SFP slots, support Web management. Dual redundant power

supply design. Ring network application is available.

Product Packing Lists

Packing	14-Port Gigabit Managed Industrial Ethernet Switch (KRN-ISWM-0842G)	
Lists	User Guide	
Lists	Warranty Card	

Note: SFP module and power adapter is not included in this package. Please order it separately.