AirLive®

8-Port Gigabit PoE industrial ring manage switch

IGR-840POE

- 8 Port 10/100/1000Mbps
- 4 Port 802.3at/af PoE port
- Power Budget up to 120W
- Dual 48V~ 56Vdc Power input with redundancy (Dual input)

- IP31 metal housing
- Harsh Environment:-40°C ~ 75°C
- Support Ring and Chain Topology with ultra-fast recovering

Reliable and Industrial-grade POE Switch

IGR-840POE, AirLive Ring Managed industrial switch, is designed for mission critical environment such as factory or traffic light. IGR-840POE provide 8 port Gigabit RJ45 in an rugged strong case. IGR-840POE allow system integrators to do the redundancy network design with ultra-fast recovery. Combing with power redundancy design and wide operational temperature, IGR-840POE is ideal for the mission critical application.
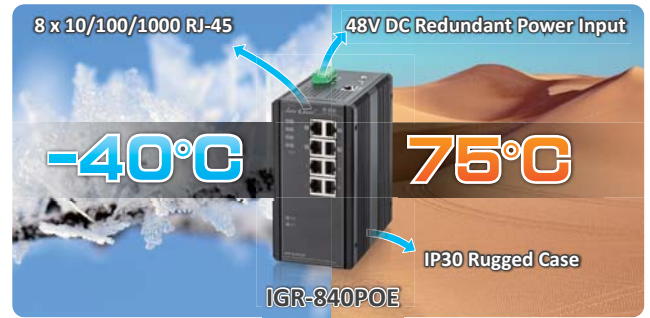
Dual Power input with Redundancy

IGR-840POE support 2 DC Power input for power redundancy. When the one of the DC power is fail, the Relay will be trigger to remind users.
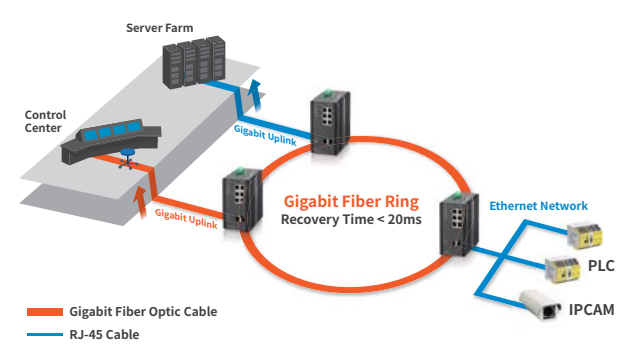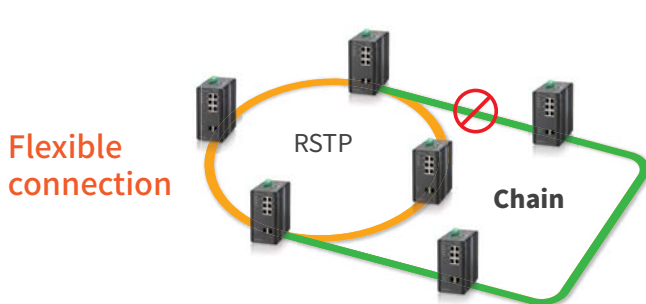
Harsh Environment: -40°C ~75°C

IGR-840POE can work from -40 ~ 75°C. It is ideal product for Harsh Environment.

Dual DC in Relay Output

DC In   DC In

8 x 10/100/1000 RJ-45   48V DC Redundant Power Input
-40°C   75°C
IP30 Rugged Case
IGR-840POE

Industrial Ring Managed Switch

IGR-840POE embedded specific hardware to detect the network status. Comparing the software base standard such as STP/RSTP/MSTP, the IGR-840POE can provide ultra-fast recovery that makes sure your network continue to operate without disruption.

Flexible connection   RSTP   Chain

Server Farm
Control Center
Gigabit Uplink
Gigabit Uplink
Gigabit Fiber Ring
Recovery Time < 20ms
Ethernet Network
PLC
IPCAM

— Gigabit Fiber Optic Cable
— RJ-45 Cable

Recovering time <20ms

Specifications		AirLive IGR-840POE
Standard	IEEE802.3 10BASE-T	
	IEEE802.3u 100BASE-TX/100BASE-FX	
	IEE802.3ab Gigabit 1000T	
	IEEE802.3x Flow Control and Back pressure	
	IEEE802.3ab Port trunk with LACP	
	IEEE802.1d Spanning Tree Protocol	
	IEEE802.1w Rapid Spanning Tree Protocol	
	IEEE802.1s Multicast Spanning Tree Protocol	
	IEEE802.1p Class of service	
	IEEE802.1Q VLAN Tagging	
	IEEE802.1ad Double Tagging(Q in Q)	
	IEEE802.3at/af PoE	
Interface	8 x 10/100/1000Mbp RJ45 ports	
PoE Port	4	
Switch Architecture	Store and forward switch architecture	
	Back-plane up to 16 Gbps	
Switch Capacity and Forwarding Rate	Switching Capacity in Gigabits per Second (Gbps) : 16 Gbps	
PoE Power Output	Max. 30 watts	
PoE Power Budget	120Watts	
MAC Address	8K	
Jumbo Frames	Up To 9KB	
Hardware Ring	Dual Ring	
	Ring Coupling	
	Dual Homing	
Layer 2 Switching Feature	Spanning Tree	STP 802.1d
		RSTP 802.1w
		MSTP 802.1s
	Trunking：LACP IEEE802.3ad	Link Aggregation Control Protocol (LACP) IEEE 802.3ad
		Static aggregation
	VLAN : Support for up to 4K VLANs simultaneously (out of 4096 VLAN ID)	Port-based VLAN
		802.1Q tag-based VLAN
		Q-in-Q (double tag) VLAN
		Private VLAN Edge (PVE)
	Voice VLAN	GARP VLAN Registration Protocol (GVRP)
	DHCP Relay (Layer 2)	
	IGMP snooping	v1/v2
	IGMP Querier	
	MLD v1/v2 snooping	
	Multicast VLAN Registration (MVR)	
Security	Secure Shell (SSH)	
	Port Security	
	IEEE 802.1X	
	Layer 2 isolation Private VLAN Edge (PVE)	
	RADIUS	
	DHCP Snooping	
	Loop Protection	
QoS	Hardware Priority Queue	Supports 8 hardware queues
	Scheduling	Strict priority and weighted round-robin (WRR)
	Queue assignment based on DSCP and class of service (802.1p/ CoS)	
	Classification	Port based
		802.1p VLAN priority based
IPv6 Application	Web/ SSL	
	SNMP	v1/v2c
	RADIUS	
	Syslog	
	Protocol-based VLANs	
Management Function	Web GUI Interface	
	DHCP Server	
	Remote Monitoring (RMON)	
	Port Mirroring	
	SNMP v1, v2c	
PoE	Port Configuration	Supports per port PoE configuration function
Discovery	LLDP with LLDP-MED extensions	
Power	48~56 VDC	
Dimensions	154(W)x 128(H)x 77(D) mm	
Operating Temerature	-40℃ to 75℃	
Storage Temerature	-40℃ to 85℃	

Ordering Information:

AirLive IGR-840POE   8-Port Gigabit PoE industrial ring manage switch