



# 8-Port Gigabit PoE with 4-Port SFP industrial ring manage switch

## IGR-1284POE

- 8 Port 10/100/1000Mbps + 4 Port SFP Port
- 8 Port 802.3at/af PoE port
- Power Budget up to 240W
- Dual 48V~ 56Vdc Power input with redundancy
- 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-1284POE, AirLive Ring Managed industrial switch, is designed for mission critical environment such as factory or traffic light. IGR-1284POE provide 8 port Gigabit RJ45 and 4 port Gigabit SFP fiber optical interfaces in an rugged strong case. IGR-1284POE allow system integrators to do the redundancy network design with ultra-fast recovery. Combining with power redundancy design and wide operational temperature, IGR-1284POE is ideally for the mission critical application.



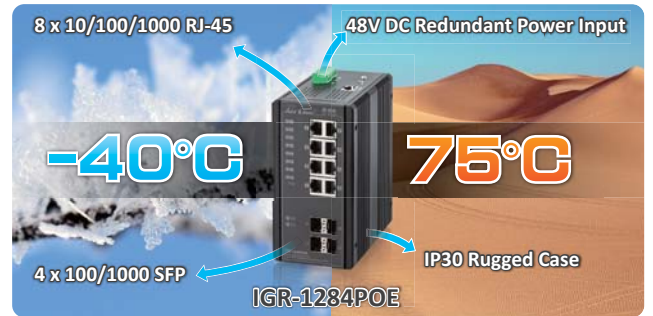
### Dual Power input with Redundancy

IGR-1284POE 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.



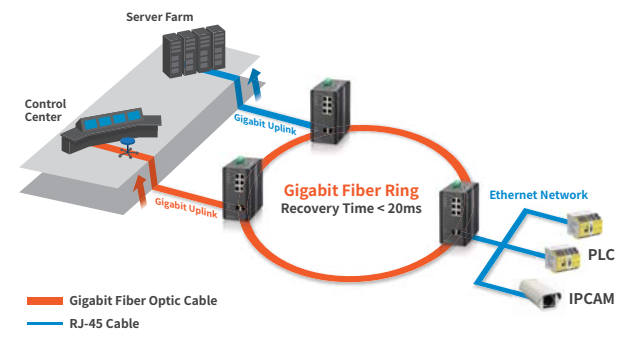
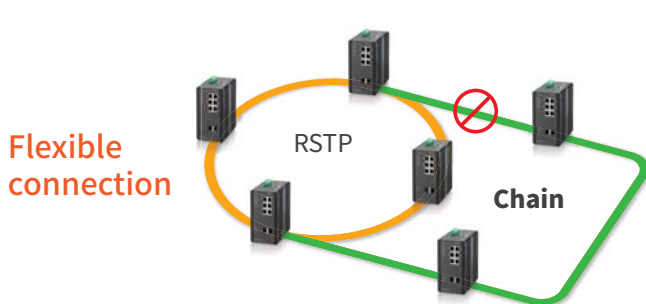
### Harsh Environment: -40°C ~75°C

IGR-1284POE can work from -40 ~ 75°C. It is ideal product for Harsh Environment.



### Industrial Ring Managed Switch

IGR-1284POE embedded specific hardware to detect the network status. Comparing the software base standard such as STP/RSTP/MSTP, the IGR-1284POE can provide ultra-fast recovery that makes sure your network continue to operate without disruption.



Recovering time <20ms

# Specifications

# AirLive IGR-1284POE

Standard	IEEE802.3 10BASE-T		
	IEEE802.3u 100BASE-TX/100BASE-FX		
	IEEE802.3z Gigabit SX/LX		
	IEEE802.3ab 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 10/100/1000Mbps RJ45 ports		
	4 X SFP 100/1000Mbps ports		
PoE Port	8		
Switch Architecture	Store and forward switch architecture		
	Back-plane up to 24 Gbps		
Switch Capacity and Forwarding Rate	Switching Capacity in Gigabits per Second (Gbps) : 24 Gbps		
PoE Power Output	Max. 30 watts		
PoE Power Budget	240Watts		
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	
	VLAN : Support for up to 4K VLANs simultaneously (out of 4096 VLAN ID)	Static aggregation	
		Port-based VLAN	
		802.1Q tag-based VLAN	
		Q-in-Q (double tag) VLAN	
	Voice VLAN	Private VLAN Edge (PVE)	
		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 Temperature	-40°C to 75°C		
Storage Temperature	-40°C to 85°C		

## Ordering Information:

**AirLive IGR-1284POE** 8-Port Gigabit PoE with 4-Port SFP industrial ring manage switch