

Layer 2 Giga Smart Managed **Industrial PoE Switch**

Superior quality, Standard design,
Simplified management.

Solid shell Design, guarantee the stable operation.



Features

Switching Features

- IP-Mac-VLAN- Port Binding
- QoS, LLDP
- STP/RSTP/MSTP
- SNMP (V1/V2/V3), RMON
- Link aggregation
- Port isolation
- Broadcast storm control

Advanced Features

- IGMP Snooping V1/V2/V3
- Static and dynamic aggregation

Power Redundancy

- Dual power input for redundant power supplies

Robust Design

- IP40-rated metal housing
- Fanless, passive cooling design
- Shock Proof, Anti Vibration, Free Fall

Product Overview

Alcon Giga Smart Managed Industrial grade PoE Switch is based on a new generation of high-performance hardware & Software Combination with affordable cost for all types of projects.

The Alcon Smart managed industrial 4/8-port Gigabit PoE switch comes with 2 SFP slots for high-speed Gigabit, long-range copper or optical connections and for enduring, reliable, flexible industrial network deployment. Supporting the redundancy of network and power, it protects the system with uninterrupted data transmission and damage to ensure the network connection reliability.

The reliable industrial series having advanced features such as electromagnetic compatibility, anti-vibration and anti-shock capability, and IP40 protection, can be widely used in energy, transportation, industrial production, environmental protection, military industries & etc.

This Alcon Smart Managed industrial switch provides two power inputs that can be connected to live DC power source simultaneously as an automatic power backup to ensure stable and reliable network service quality. Supporting with automatic protection switching and load balance, the embedded protecting circuit can protect the network from over input or output voltages and rectifier malfunctions. Lightning protection level: 6KV. IP40 protection, industrial fanless thermal conduction. DIN-rail aluminum alloy shell, which is compact and convenient.

Model Lists



AL-PGIS5006WM-4P-2S-120



AL-PGIS5010WM-8P-2S-240

Robust Industrial Managed Switch

Durable, Reliable, Flexible & Smart Network for Harsh Environments.

Rugged Industrial Grade

Equipped with anti-dust IP40-rated aluminum alloy case, the switch is designed and certified to withstand a high degree of vibration, shock, free-fall protection and against ESD/EMI surge for harsh environments.*

Reliable Dual Redundancy

Supports network redundancy with RSTP, MSTP, LACP and power redundancy with two power inputs to ease the unexpected risk and ensure stable and reliable network service quality.

PoE PD Alive Check

PoE Powered Device (PD) alive check to monitor real-time status of connected PDs and enable to reboot fail PDs to enhance the reliability of the network.

High/Low Temp. Resistance

The industrial switch operates with a wide temperature range from -40°C to 75°C (-40°F to 167°F) for industrial and outdoor network deployment with capability of withstanding the extreme hot and freezing environments.

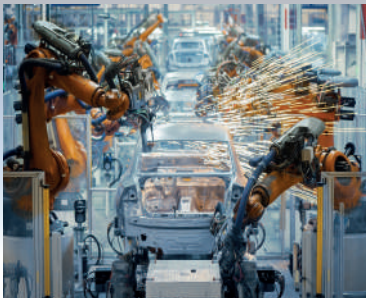
Smart & Secure Mgmt.

The industrial switch features smart and simple network monitoring tools that allow for improved network efficiency and security.

Fanless Design

With no moving parts inside to reduce downtime and maintenance call outs, the rugged housing has been optimised for the transfer of heat.

Application



Manufacturing



Energy Plant



Transportation, Smart City



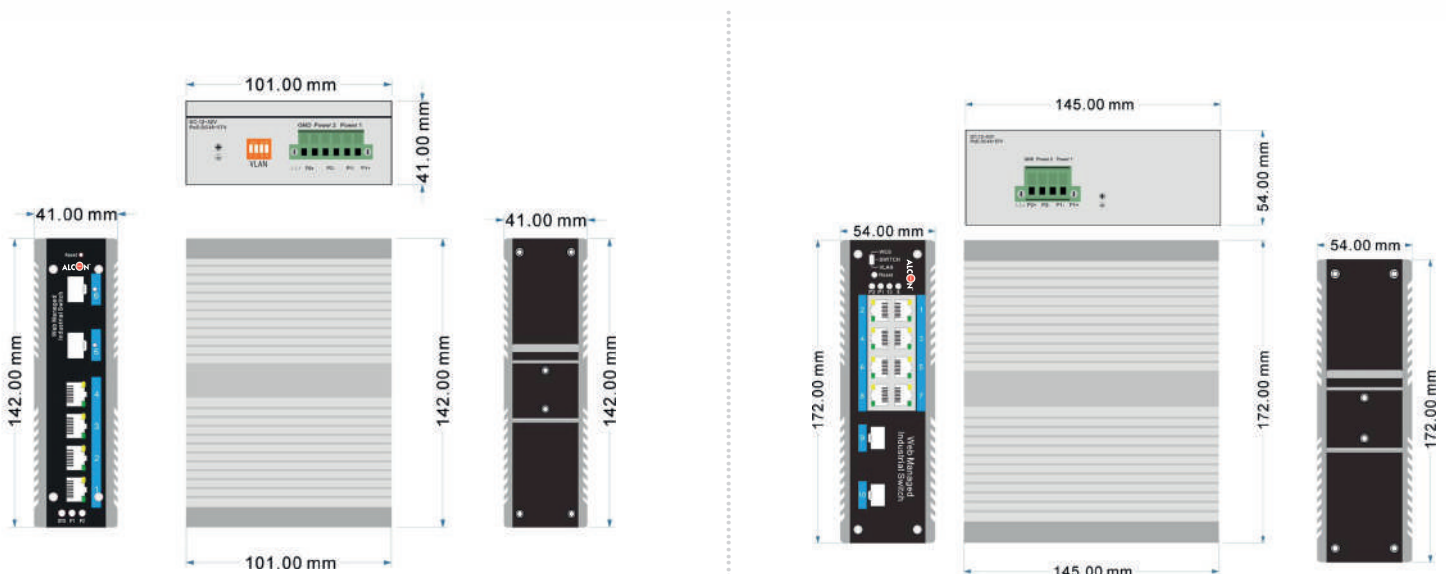
Factory Automation

Product Specification

		AL-PGIS5006WM-4P-2S-120	AL-PGIS5010WM-8P-2S-240
Attributes	RJ45	4x10/100/1000BASE-TX	8x10/100/1000BASE-TX
	SFP	2 Gigabit SFP slots	2 Gigabit SFP slots
	Switching Capacity	12Gbps	20Gbps
	Forwarding rate	8.92Mpps	14.88Mpps
PoE+	Standards	IEEE802.3af,802.3at	IEEE802.3af,802.3at
	Ports	4	8
	Power	30W	30W
Housing	Material	Aluminum alloy	Aluminum alloy
	Installation	DIN rail/wall mount	DIN rail/wall mount
Power supply	Input Power	48-57 VDC// 2.5A (MAX) FULL LOAD : <120W	48-57 VDC// 5A (MAX) FULL LOAD : <240W
Working	Temperatur Humidity	-40°C - 75°C 10%RH - 90%RH, non-condensing	-40°C - 75°C 10%RH-90%RH, non-condensing
Storage	Temperatur Humidity	-40°C - 85°C/ 5%RH-90%RH, non-condensing	-40°C - 85°C/ 5%RH-90%RH, non-condensing
VLAN	Port configuration of Access, Trunk, Hybrid 4K VLAN based on port, IEEE802. 1q, VLAN based on the protocol		
Port Aggregation	LACP, Static aggregation Max 3 aggregation groups and 8 ports per group.		
Spanning Tree	STP (IEEE802.1d), RSTP (IEEE802. 1w), MSTP (IEEE802. 1s)		
Multicast	Multicast VLAN, Fast log out IGMP Snooping v1/v2, Max 1024 multicast groups		
Port Mirroring	Bidirectional data mirroring based on port		
QoS	Flow-based Rate Limiting Flow-based Packet Filtering 8*Output queues of each port 802. 1p/DSCP priority mapping Diff-Serv QoS, Priority Mark/Remark Queue Scheduling Algorithm (SP, WRR, SP+WRR)		
ACL	Port-based Issuing ACL,ACL based on port and VLAN L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc		

Security	<p>IP-MAC-VLAN-Port binding, ARP inspection, Anti-DoS attack AAA & RADIUS, MAC learning limit, Mac black holes, IP source protection IEEE802.1X & MAC address authentication, Broadcast storm control, Backup for host datum SSH 2.0, SSL, Port isolation, ARP message speed limit, User hierarchical management and password protection</p>
DHCP	DHCP Client, DHCP Snooping, DHCP Server
Management	<p>SNMP V1/V2C/V3, LLDP, Web Management (HTTPS) NTP, System work log, Ping Test, CPU instant utilization status view Cable Diagnose, One-key recovery, Console/AUX Modem/Telnet/SSH2.0 CLI ONV NMS platform cluster management (LLDP+SNMP), Download & Management on FTP, TFTP, Xmodem, SFTP</p>
System	<p>Category 6 Ethernet network cable Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer 10 or later; TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network</p>

Dimension



Ordering Information

Item	Description
AL-PGIS5006WM-4P-2S-120	4-Port Gigabit RJ45 + 2-Port Gigabit SFP Layer2 Smart Managed Industrial Switch Support Up to 120Watt Power Budget
AL-PGIS5010WM-8P-2S-240	8-Port Gigabit RJ45 + 2-Port Gigabit SFP Layer2 Smart Managed Industrial Switch Support Up to 240Watt Power Budget



Product specifications and availability are subject to change without notice.