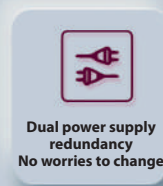
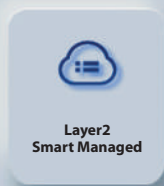


Layer 2 Giga Smart Managed BT **Industrial PoE Switch**

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-port Gigabit (BT60W/90W) 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-PGIS5006WMBT-4P-2S-360

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.

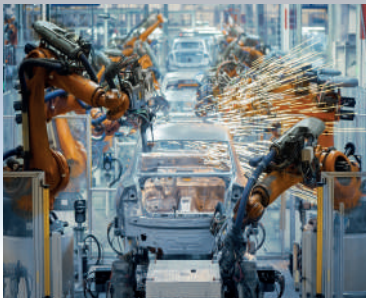
Smart & Secure Mgmt.

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

Model		
Interface Characteristics		
Fixed Port	4* 10/100/1000Base-T PoE + ports 2* 100/ 1000Base-X uplink SFP slot ports	
Ethernet Port	Port 1-4 support 10/100/1000M PoE Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters) 100BASE-TX: Cat5 or later UTP(≤100 meters) 1000BASE-T: Cat5e or later UTP(≤100 meters)	
SFP Slot Port	Gigabit SFP optical fiber interface, default not include optical modules (optional single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Wavelength/Distance	multimode: 850nm 0~550M,1310nm 0~2KM single mode: 1310nm 0~40KM , 1550nm 0~120KM	
Chip Parameter		
Network Management Type	L2 (WEB management)	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-X, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	12Gbps	
Buffer Memory	8.92Mpps	
MAC	8K	
LED Indicator	PowerIndicatorLight	P: 1 Green
	Fiber Indicator Light	F: 1 Green (Link,SDFED)
	On thePoE+ seat	Yellow:Indicate PoE+
		Green: Indicates network working

PoE+ characteristics	
power supply	DC: 48-57V, 360W
PoE power supply method	Supports 1,2+, 3,6-power supply
PoE output power	Each port has a power supply of 60W and a maximum power of 90W per port Total power 360W
Certification & Warranty	
Lightning Protection	Lightning protection: 6KV 8/20us, Protection level: IP40 IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V, 1s FCC Part 15/CISPR22(EN55022):Class B IEC61000-6-2(Common Industrial Standard)
Mechanical Properties	IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Physical Parameter	
Operation TEMP /Humidity	-40~+75°C;5%~90% RH Non condensing
Storage TEMP /Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension (L*W*H)	142mm*101mm*42mm
Installation	Desktop, DIN rail

Network Management Features	
Port configuration	<ul style="list-style-type: none"> Auto-negotiation Flow Control Port Mirror: TX/RX/BOTH; Many-to-1 monitor Traffic statistics
Link Aggregation	<ul style="list-style-type: none"> Static link aggregation LACP Algorithm based on Source/Destination MAC Algorithm based on Source/Destination IP
MAC Table	<ul style="list-style-type: none"> Aging Time Static MAC address Dynamic MAC address management
VLAN	<ul style="list-style-type: none"> 4094 Active VLANs 4094 VID 802.1Q Tag VLAN Port VLAN Protocol VLAN MAC VLAN Voice VLAN 802.1ad Q-in-Q tunneling Private VLAN (Protected port) GARP/GVRP
ACL	<ul style="list-style-type: none"> 256ACLs L2, L3 e L4 Time-based ACL
Spanning tree	<ul style="list-style-type: none"> 802.1D Spanning Tree Protocol (STP) 802.1w Rapid Spanning Tree Protocol (RSTP) 802.1s Multiple Spanning Tree Protocol (MSTP) Loop Guard Root Guard TC-BPDU Guard BPDU Guard BPDU Filter
Multicast	<ul style="list-style-type: none"> 256 groups IGMP v1/v2/v3 Snooping, Fast Leave MLD Snooping Multicast VLAN
QOS	<ul style="list-style-type: none"> port-based CoS 802.1p-based CoS DSCP-based Scheduling algorithms SP, WRR, SP+WRR Storm Control (Broadcast, Multicast, Unknown Unicast) Bandwidth control per port
DHCP	<ul style="list-style-type: none"> SNMP v1/v2c/v3 with Full Private MIBs RMON 4 groups WEB (HTTP/HTTPS) upgrade via web/TFTP Configuration Backup/Reload Dual Firmware LLDP

<p>Security Features</p>	<p>Port Security MAC address filter</p> <p>ARP Association (Manual, ARP scanning, DHCP snooping) ARP Protection</p> <p>DoS (Denial of Service)</p> <p>Classification of packages based on: End.MAC, IP End, TCP / UDP Ports, Protocol Type;</p> <p>802.1x Authentication (port-based e MAC-based)</p> <p>TACACS/TACACS+ Authentication</p> <p>RADIUS Authentication</p> <p>DHCP Filter</p> <p>Guest VLAN</p> <p>SSLv2/SSLv3/TLSv1</p> <p>SSHv1/SSHv2</p> <p>Restriction of WEB access based on: IP Address, And. MAC and Port; Port Isolation Loopback detection</p>
<p>Other Features</p>	<p>DNS Client DHCP</p> <p>Relay DHCP Client</p> <p>DHCP Snooping</p> <p>DHCP Option 82</p> <p>SNTP Client</p> <p>UDLD</p>
<p>Maintenance</p>	<p>Cable Diagnostics</p> <p>Ping</p> <p>SFP DDM(Digital Diagnostics Monitoring) Thermal protection</p> <p>System log (Local and Remote)</p> <p>Memory and CPU Monitoring</p>

Ordering Information

Item	Description
AL-PGIS5006WMBT-4P-2S-360	4-Port Gigabit BT PoE +2-Port Gigabit SFP Layer2 Smart Managed Industrial Switch Support Up to 360Watt Power Budget



Product specifications and availability are subject to change without notice.

CE | RoHS