AL-PGS5010WM-8P-2S-120

8-PORT GIGA SMART MANAGED PoE SWITCH

ALCON LINK™
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PoE+ PoE	30W PER PORT	Metal Housing Kg	802.3at End-span 802.3af	10M/100M	Smart Managed
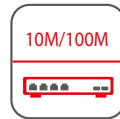
8*GE POE+ Port +2*Gigabit SFP Up-link Port Smart Managed PoE Switch

Product Overview

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

AL-PGS5010WM-8P-2S-120 is a full gigabit L2 Smart managed PoE fiber switch independently developed by Alcon. It has 2*1000Base-X SFP port (optional single-mode/multi-mode, single-fiber/dual-fiber optical module). 8*10/100/1000Base-T RJ45 PoE ports1-8 can Supports IEEE802.3af/at, with a power supply of 15.4W per port and a maximum power of 30W per port, it can automatically detect and recognize power-compliant devices that meet the standard and supply power through the network cable. It can supply power to PoE terminal equipment such as wireless AP, webcam, VoIP, sensor through the network cable.

The AL-PGS5010WM-8P-2S-120 has L2 Smart network management function, complete security protection mechanism, ACL/QoS policy and rich VLAN functions, easy to manage and maintain. Support multiple network redundancy protocols STP/RSTP(<50ms) ,to improve link backup and network reliability to ensure uninterrupted communication of important applications. According to actual application needs, port management, port flow control, VLAN division, IGMP, security policy and other application service configurations are performed through Web and other network management methods.

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Gigabit access, gigabit SFP port uplink

- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- Support Gigabit Ethernet port and Gigabit SFP port combina tion, which enables users to flexibly build networking to meet the eeds of various scenarios.
- Support physical single-mode single fiber optical path(Bypass) function, pure hardware switching, short switching time, does not affect the data transmission rate and improves the stability of the network system.

Security

- 802. 1X authentication.
- Port isolation, storm control.
- IP-MAC-VLAN-Port binding.

Stable and reliable

- CE, RoHS.
- Low power consumption, No fan.
  The user-friendly panel, it can show the device status through the
- LED indicator of PWR, Link ,PoE

Intelligent PoE power sup

- meeting the needs of security monitoring, teleconferencing
- system, wireless coverage, and other scenarios.
- IEEE802.3af/at PoE standard, without damaging non-PoE devic- es.
- Priority system for PoE port, it will supply power to the high priority
- level port first when the power budget is insufficient and avoid overwork of the device.
- PoE network management, realize PoE port power allocation, priority setting, port power status viewing,time scheduling, etc.

One-stop remote control and management

- HTTPS, SSLV3, and SSHV1/V2.
- RMON, system log, LLDP, and port traffic statistics.
- CPU monitoring, memory monitoring, Ping test, and cable diagnose.
- Web management, SNMP (V1/V2/V3).

Application

College

Hospital

Govt.

Corporates

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Interface Characteristics

Fixed Port	8* 10/ 100/ 1000Base-T RJ45 PoE ports 2* 100/ 1000Base-X uplink SFP slot ports
Ethernet Port	Port 1-8 support 10/ 100/ 1000Base-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（Smart Management）
Two working modes	Toggle switch:Smart network management mode/VLAN isolation mode
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	20Gbps
Buffer Memory	14.88Mpps
MAC	8K

LED Indicator	PowerIndicatorLight P1：1 Green
	Fiber Indicator Light 9-10：1 Green (Link,SDFED)
	On the RJ45 seat 1-8 Yellow:Indicate PoE
	                             1-8 Green: Indicates network
	                                    working status

Reset	Press and hold the reset switch for 10s and release it to restore the factory settings

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PoE & Power Sup

PoE Port	Port 1 to 8 IEEE802.3af/at
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Max Power Per Port	15.4W per port, with a maximum power of 30W per port
Total PWR	120W/ (AC100-240V)
Power Consumption	Standby<6W, Full load<120W
Power Supply	52V2.3A 120W

Certification & Warranty

Power surge protection	Lightning protection: 6KV 8/20us, Protection level: IP40
Network interface surge protection	IEC 61000-4-5 Level 4（4KV） （10/700us）
Certification	CE, RoHS
Warranty	2 Years

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)	330mm* 172mm*44mm
Installation	Desktop & Rack Mount (Rack Mounting Kit Included)

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ORDERING INFORMATION

AL-PGS5010WM-8P-2S-120	8-Port Giga Smart Managed 802.3af/at PoE+ 2-Port SFP 120 watt PoE budget