

AL-PGS5028-24P-2S-380

# 24-PORT GIGA POE SWITCH

**ALCON** LINK™  
BE SMART, BE SECURE



24-Port 10/100/1000Mbps 802.3at  
PoE+2\*10/100/1000M Uplink+2-Port 1000X SFP  
Gigabit Ethernet Switch (380 watts Power Budget)

## OVERVIEW & FEATURES

Alcon AL-PGS5028-24P-2S-380 provides eight 10/100/1000 TX ports featuring 30-watt 802.3at PoE+, a total 380-watt PoE budget and extra two uplink ports to fulfill the demand of sufficient PoE power for HD IP surveillance and Wi-Fi system in a small-scale but high-performance network. With the Rack mounting metal housing, it makes the placement of the unit convenient and provides a quick and easy PoE PDs deployment with power feeding.

- Complies with IEEE 802.3af/at Power over Ethernet end-span PSE
- 24-port 10/100/1000BASE-TX Gigabit RJ45 PoE copper
- 2-port \*10/100/1000M Uplink +2\*Giga SFP
- Complies with IEEE 802.3at Power+ over Ethernet end-span PSE
- Up to 24 ports of IEEE 802.3af/802.3at devices powered
- Supports PoE power up to 30 watts for each PoE port powered device
- 380-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m

NETWORK POWER EFFICIENCY  
OPTIMIZE YOUR  
**POE**

## GUARANTEED PROTECTION FOR A SMOOTH OPERATION

The AL-PGS5028-24P-2S-380 protects against the ESD 6kV surge to improve product stability and also protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

## APPLICATIONS

- 4K and full HD surveillance transmission and power supply
- Enterprise Wireless AP distribution transmission and power supply
- Smart VoIP transmission, intelligent home systems
- Smart City intelligent traffic monitoring system (ITS), safe city, and wireless city
- Highway surveillance system, electronic road surveillance, snapshot system
- large industrial factory & enterprise security surveillance system, network multifunction system

## SPECIFICATION

Modal No.	AL-PGS5028-24P-2S-380
<b>Hardware Specification</b>	
802.3af/802.3at PoE Injector Ports	24
1000BASE-X SFP	2
2*10/100/1000BASE-T	2
Switch Architecture	Store-and-Forward
Switch Fabric	52Gbps/non-blocking
Switch Throughput@ 64 bytes	38.6Mpps@64 bytes
MAC Address Table	8K entries
Jumbo Frame	9216 bytes
Flow Control	IEEE 802.3x pause frame for full-duplex; back pressure for half-duplex
LED	System: Power (Green) 10/100/1000T RJ45 Interfaces 1000 LNK / ACT (Green), 10/100 LNK/ACT (Orange), PoE (Orange) 1000Mbps SFP Interfaces 1000 LNK / ACT (Green)
Dimensions (W x D x H)	445 x 207 x 45 mm (1U height)
Enclosure	Metal
Weight	2.5kg
Power Requirements	100~240V AC, 50/60Hz, 4A (max.)
Fanless Design	yes

Power over Ethernet	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Power Supply Type	End-span
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Output	Per port 54V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per port 54V DC, 600mA. max. 30 watts (IEEE 802.3at)
PoE Power Budget	380 watts
Number of PDs, 7 watts	24
Number of PDs, 15.4 watts	20
Number of PDs, 30 watts	10
Standard Conformance	
EMI Safety	CE/LVD EN60950
Warranty	2Yrs
Standard Compliance	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab Gigabit 1000BASE-T IEEE 802.3z Gigabit SX/LX IEEE 802.3x flow control and back pressure IEEE 802.3af Power over Ethernet IEEE 802.3at High Power over Ethernet IEEE 802.3az Energy-Efficient Ethernet
Environment	
Operating Environment	Temperature: 0 ~ 50°C
Storage Environment	Temperature: -10 ~ 70°C
Operating Humidity	Relative Humidity: 5 ~ 95% (non-condensing)
Storage Humidity	Relative Humidity: 5 ~ 95% (non-condensing)

## ORDERING INFORMATION

AL-PGS5028-24P-2S-380

24-Port 10/100/1000T 802.3at PoE +2\*Giga SFP COMBO Rackmount Switch



\*Product specifications and availability are subject to change without notice.