AL-PFS5027-24P-1S-300

24-PORT 300W
POE SWITCH

ALCON™
LINK
BE SMART, BE SECURE

| PoE+ PoE | 30W PER PORT | Metal Housing | 802.3at End-span 802.3af | 10M/100M | UTP Extend 250m |
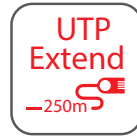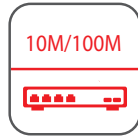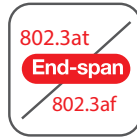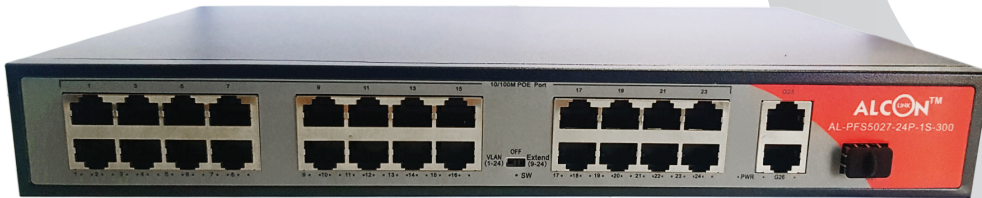
24-Port 10/100Mbps 802.3af/at PoE+ 2-Port Gigabit Uplink + 1-Port
SFP Rack mount Switch
(300watt Power budget)

OVERVIEW & FEATURES

Alcon AL-PFS5027-24P-1S-300 is an ideal Plug and play Power over Ethernet solution which provides quick installation.

The AL-PFS5027-24P-1S-300 is equipped with 24 10/100BASE-TXports with each port taking up 30 watts of PoE+ power and 2 Gigabit TP and 1 Gigabit SFP interfaces with inner power system. With a total PoE+ power budget of 300watts and non-blocking data switching performance, the AL-PFS5027-24P-1S-300 can fulfill the demand of sufficient PoE power for HD IP surveillance. It offers, reliable and visible power solution for small businesses and system integrators deploying Power over Ethernet networks.

- Complies with IEEE 802.3af/at Power over Ethernet end-span PSE
- 24-port 10/100BASE-TX Fast Ethernet RJ45 PoE copper
- 2 10/100/1000BASE-T TP and 1*SFP interfaces
- Complies with IEEE 802.3af/at Power over Ethernet end-span PSE
- Up to 24 ports of IEEE 802.3af/at devices powered
- Supports PoE Power up to 30 watts for each PoE port
- Each port supports 48~55V DC power to PoE powered device
- 300-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m with standard mode
- Can extend distance of up to 250m in the extend mode (9-24port)

OPTIMIZE YOUR NETWORK POWER EFFICIENCY

POE

GUARANTEED PROTECTION FOR A SMOOTH OPERATION

The AL-PFS5027-24P-1S-300 protects against the ESD 3kV surge to improve product stability and also protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

APPLICATIONS

- 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 syste

SPECIFICATION

Modal No.	AL-PFS5027-24P-1S-300		
Hardware Specification			
802.3af/802.3at PoE Injector Port	24		
10/100BASE-TX PoE Ports	24		
10/100/1000BASE-T Ports	2		
SFP Fiber port	1		
Switch Architecture	Store-and-Forward		
Switch Fabric	10.8Gbps/non-blocking		
Switch Throughput @64 bytes	8.3Mpps@64bytes		
MAC Address Table	8K entries		
Maximum Frame Size	9216 bytes		
Flow Control	IEEE 802.3x pause frame for full duplex; back pressure for half duplex		
LED	PWR	Power Light	Ful: Device Working Off: Device no power
	SW	Dial Indicator	Ful: VLAN Mode Off: Standard mode Blink: 250M Mode
	1-27 LINK	Link Light	Ful: Link connect normal Blink: Data transmission Off: Link unreachable
	1-24 POE	POE Light	Full:POE connect normal Off:POE not working
Dimensions (W x D x H)	32*21*4CM		
Enclosure	Metal		
Weight	2.5kg		
Power Requirements	AC 100~240V, 50/60Hz,		
Power Consumption/ Dissipation	Max. 300watts		
Fanless	yes		

ESD Protection	Contact Discharge of 3kV DC Air Discharge of 3kV DC
Surge Immunity	±3kV
MTBF	1,90,000 hours (21years)
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	300watts
Max. Number of Class 2 PDs	24
Max. Number of Class 3 PDs	20
Max. Number of Class 4 PDs	10
Standard Conformance	
EMI Safety	CE/LVD EN60950, RoHS
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 Power over Ethernet Plus IEEE 802.3az Energy Efficient Ethernet (EEE)
Environment	
Operating Environment	Temperature: -20 ~ 60°C
Storage Environment	Temperature: -20 ~ 70°C
Operating Humidity	Relative Humidity: 10 ~ 90% (non-condensing)
Storage Humidity	Relative Humidity: 5 ~ 90% (non-condensing)

ORDERING INFORMATION

AL-PFS5027-24P-1S-300   24-Port 10/100TX 802.3af/at PoE + 2-Port Gigabit Uplink + 1-Port SFP Rack mount Switch

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