ACORID⁺

LS1709PF

8-Port 10/100Mbps 802.3af/at PoE Switch +1-Port 10/100Mbps SC Fiber Desktop Switch

Easy Deployment for SOHO and Home Users

Acorid LS1709PF,a 8-**port 10/100Mbps 802.3af/at Power over Ethernet +1-port Fast Ethernet Switch**,can be easily and quickly deployed for SOHO and home-use PoE application environment by any users as it is compact in size and simple to install.The LS1709PF is definitely an ideal solution for SOHO and home users as it has the following advanced features:
·**8-port PoE,96-watt PoE budget**
·**One SC Fiber interface**
·**Data transmission up to 100m**
·**Built-in 8 PoE Ports (Port 1 ~ Port 8)**
·**Desktop installation and campact design**

Centralized Power Distribution for Small Ethernet Networking

The LS1709PF has a total PoE budget of 96 watts, which is an ideal solution to meeting the demand for sufficient PoE power for network applications. The 8 802.3at/af PoE ports provide PoE power injector function which is able to drive IEEE 802.3at compliant powered devices or eight IEEE 802.3af compliant powered devices.

The LS1709PF also provides a simple, cost-effective and non-blocking wire-speed performance. It comes with a palm-size metal housing, suitable for the desktop deployment of SOHO or home-use network environment.

RJ45 Interface

·**8**x 10/100Mbps Auto-Negotiation and Auto-MDIX Fast Ethernet RJ45 Ports
·Ports 1-8 support IEEE 802.3af/at standard PoE Power supply function
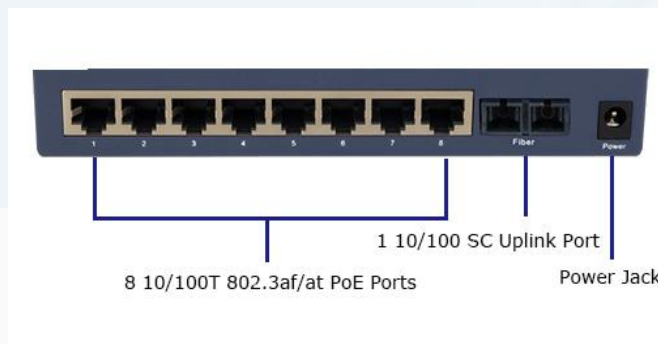·One SC Fiber interface

Power over Enternet

·IEEE 802.3af/at Power over Ethernet (PoE) Standard Compliant
·Supports PoE Power Maximum 30 watts for each PoE port
·Plug and play, no configuration, simple and convenient

Switching

·Hardware-based 10/100Mbps Auto-Negotiation and Auto MDI/MDI-X
·Flow control for full duplex operation and back pressure for half duplex operation
·Automatically identify PoE devices for power supply without damaging Non-PoE devices
· High redundancy design with power supply for long-term stable PoE power outputs
·Low power consumption design, no fan heat dissipation, ensure the stable operation of the product

Hardware

·Desktop installation
·LED indicators for PoE ready/activity and LINK
·Smartlink function with power management----avoid overload of equipment
·Steplink starts to step by step---avoid simultaneous startup of large current burning switches that occur instantly

1 10/100 SC Uplink Port

8 10/100T 802.3af/at PoE Ports

Power Jack

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Specification

Model	LS1709PF
Hardware Specifications	
Network Connectors	9-port RJ45 for 10/100BASE-TX,auto MDI/MDIX,SC Fiber interface
PoE Inject Port	8-port with 802.3af/at PoE injector function(Port 1 to Port 8)
LED Indicators	PWR、 POE MAX、PoE Indicator、Link/Act
Proccessing Types	Store and forward
Transmission Model	IEEE802.3X full-duplex and Backpressure half-duplex
Input volatage	DC52V1.85A
Dimension	171mm(L)*98mm(W)*27mm(H)
Cable requirements	UTP cat5 or above
Backplane bandwidth	1.8Gbps
Packet forwarding rate	1.34Mpps
MAC address	2k
Power over Ethernet	
MAX POE output	30W
Total power consumption	96W
POE port priority	Support
Standard Conformance	
EMI Safety	FCC,CE,RoHS
Standard Compliance	IEEE802.3i 10 BASE-T IEEE802.3u100 BASE-TX IEEE802.3x Flow Control IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3 az EEE
Environment	
Operating temperature	-10℃~45℃
operating humidity	10%~90%
Storage temperature	-20℃~70℃
storage humidity	5%~95%

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Feature and Advantage

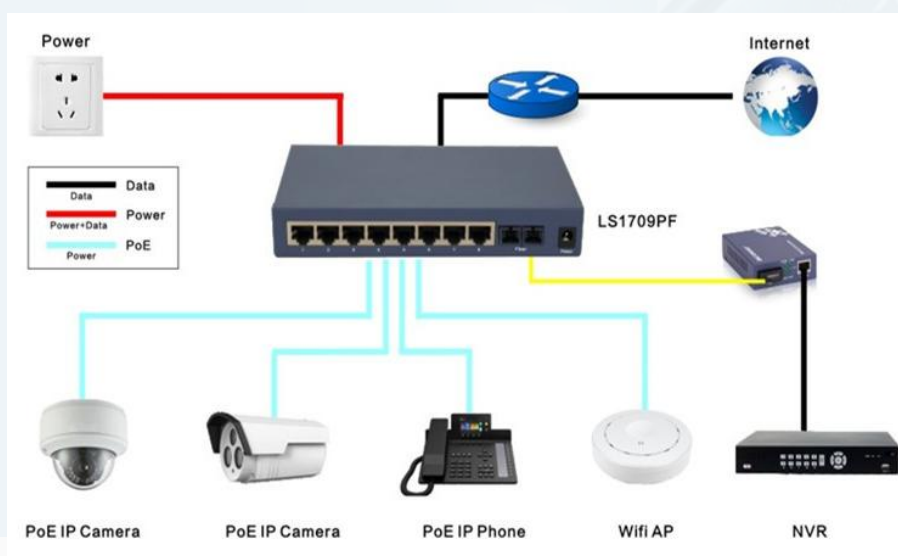- ### *Escort the Safe and Stable Operation of Acorid PoE Switch*

  The LS1709PF have support Acorid SmartLink power management function, it can start PoE port priority mechanism in the case of system overload power supply.And cut off the power supply that exceeds the power range which has a lower priority port, ensure that power is prioritized for critical equipment, and avoid overload operation of switch,so the switch to be protected.

- ### *Environment-friendly, Fanless Design for Silent Operation*

  The LS1709PF comes with a desktop-sized, compact metal housing, making the placement of the unit convenient. It features a ventilated construction in which a cooling fan is not necessary, thereby making its operation noiseless. Moreover, the LS1709PF is able to operate reliably and stably in any environment without affecting its performance. The deployment of PoE PDs with constant power feeding can be easily and quickly done.

- ### *Easy Cable Connection*

  With data switching and power over Ethernet integrated into one unit, the LS1709PF reduces cabling requirements and eliminates the need for electrical outlets on the wall, ceiling or any unreachable place. A wire that carries both data and power can lower the installation costs, simplify the installation effort and eliminate the need for electricians or extension cords. With 8 PoE interfaces, the LS1709PF is ideal for small businesses and workgroups making the deployment of the PoE facility including wireless access points, IP-based surveillance camera and IP phones in any places easier, more efficient and more cost-effective.

Applications

- ### *SOHO and Home-use Fast Ethernet PoE Network Deployment*

  With its expanded home-use feature,the LS1709PF 802.3af/at PoE Switch helps SOHO and home users to create an integrated data,video,and powered network.The wireless AP and PoE IP camera and PoE door phone devices work prefectly with the LS1709PF,which injects power through the Ethernet cables,thus helping SOHO and home users to build a cost-effictive and reliable PoE network environment easily.

- ### *Perfectly-integrated Solution for Poe IP Camera and NVR System*

  The LS1709PF Providers 8 802.3af/at PoE ports for catering to small-scale home and SOHO IP surveilance networks at a lower total cost.The LS1709PF comes with a high-performance switch architechure and 96-watt PoE power budget.The recorded video files from the 8 PoE IP camera can be powered by the LS1709PF and saved in the 8-channel NVR system.Besides,surveilance software can be used to perfrom comprehensive security monitoring.
  For intance,one LS1709PF can be combined with one 8-channel NVR;that is,each of its PoE port can be linked to a specific 802.3af PoE IP camera for the administrators to centrally and efficiently manage the surveilance system in one site.The LS1709PF's Fast Ethernet TP interface also providers Fast Ethernet TP connection for uplink to NVR systems or public server groups.

- ### *IP Office Department/Workgroup PoE Switch*

  With the business office expansion,the additional telephones required can be installed in less cost via the implementation of PoE telephony system than that of the traditional circuit wiring telephony system.The LS1709PF 802.af/at PoE Switch helps enterprises to create an integeted data,voice,and powered network.The IEEE 802.3af complicant IP phones can be installed without an additional power cable because the power can be provided via the standard Ethernet cable from the connected LS1709PF.

  The wireless AP group.PoE IP phones and analog telephony adapter work perfectly with the LS1709PF,which injects power though the Ethernet cables.With the LS1709PF,IP telephony deployment becomes more reliable and cost effictive,thus helping enterprises save tremendous cost when upgrading from the traditional telephony system to IP telephony communications infrastructure.

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