FSW-801P

9-port 10/100M Switch with 8-port 802.3at PoE

Introduction

Centralized Power Distribution for Ethernet Networking

FSW-801P is a 9-Port 10/100Mbps Switch with 8-Port 802.3at/af Power over Ethernet and a total of 120 watt or 65 watt of PoE budget, which is an ideal solution to fulfill the demand of sufficient PoE power for network applications with Fast Ethernet speed transmission. The eight 802.3at/af PoE ports provide PoE power injector function which is able to drive 8 IEEE 802.3at/af compliant powered devices. The FSW-801P also provides a simple, cost-effective and non-blocking wire-speed performance.

Ideal Solution for Securing IP Surveillance Infrastructure

Particularly designed for the growing popular IP Surveillance applications, the FSW-801P PoE Switch is positioned as a Surveillance Switch for quick and easy PoE IP camera deployment with power feeding. The FSW-801P provides 802.3at/af PoE functions along with 8 10/100Base-TX ports featuring 30-watt 802.3at PoE in RJ-45 copper interfaces and 1 extra uplink supporting transmission of surveillance images and videos.

Perfectly Integrated Solution for PoE IP Camera and NVR System

FSW-801P provides eight 802.3at PoE ports for catering to small scale of IP Surveillance networks at a lower total cost. The FSW-801P comes with high performance switch architecture and 65/120-watt PoE power budget. The recorded video files from 8 PoE IP Cameras can be powered by the FSW-801P and saved in the 8-channel NVR system or surveillance software to perform comprehensive security monitoring. For instance, one FSW-801P can be combined with one 8-Channel NVR and 8 PoE IP cameras as a kit for the administrators to centrally and efficiently manage the surveillance system in the local LAN and the remote site via Internet.

Stable and High Performance Switch Architecture

The FSW-801P has a 4K MAC address table, featuring high performance switch architecture capable of providing the non-blocking 1.8Gbps switch fabric and wire-speed throughput as high as 6.547Mpps, which greatly simplifies the tasks of upgrading the LAN for catering to increasing bandwidth demands. Besides, the 802.3x Full-Duplex flow control function of the FSW-801P enables PD devices and servers to be directly connected to the switch for wire-speed packet transfer performance without the risk of packet loss.

The FSW-801P RJ-45 copper interfaces support 10/100Mbps Auto-Negotiation at port 1 to port 8 and 10/100Mbps Auto-Negotiation at port 9 for optimal speed detection through RJ-45 Category 5e cables. It also supports standard Auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

Easy Cable Connection

With data and power over Ethernet from one unit, the FSW-801P reduces cabling requirements and eliminates the need for dedicated 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. Providing 8 PoE interfaces, the FSW-801P is ideal for small businesses and workgroups requiring deploying the PoE for the wireless access points, IP-based surveillance camera or IP phones in any places easily, efficiently and cost-effectively.

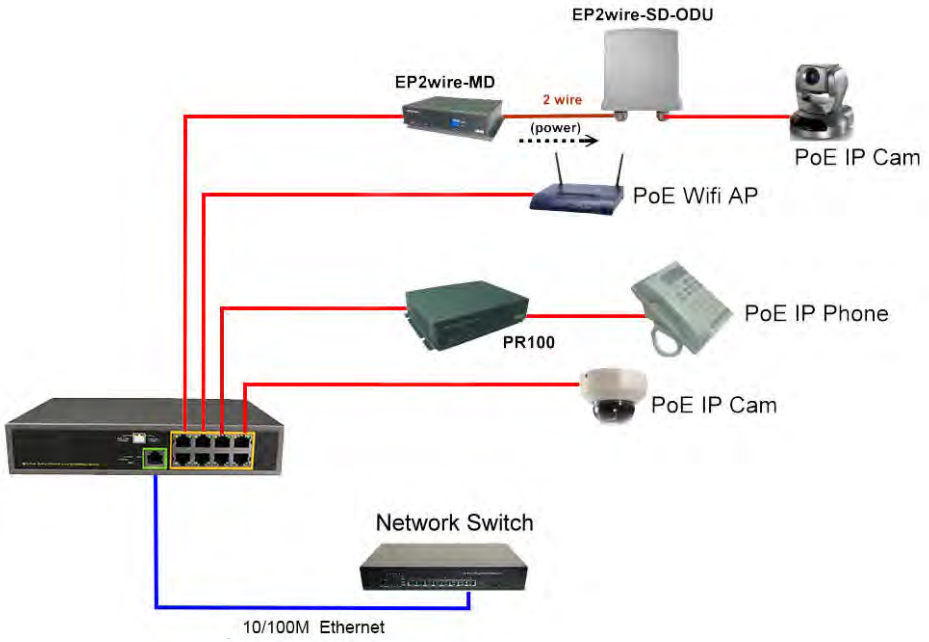
Hardware Specification	
Network Connector	9-Port RJ-45 for 10/100Base-TX (Port 1 to Port 8 and a Uplink Port)
PoE Inject Port	8-Port with 802.3at/af PoE injector function
LED Display	System: Power (Green) Per PoE port: PoE in Use (Orange) LNK/ACT (Green) Uplink port: LNK/ACT (Green) PWR (Green)

Switch Architecture	Store and Forward switch architecture
MAC Address Table	4K MAC address table with Auto learning function
Switch Fabric	1.8Gbps
Switch Throughput	6.547Mpps@64Bytes
Flow Control	Back pressure for Half-Duplex. IEEE 802.3x pause frame for full-duplex
Power Requirements	AC 100~240V, 50/60Hz, 2.6A max.
Power Consumption	65 watt (FSW-801P-65W), 120 watts (FSW-801P-120W)
Dimensions (W x D x H)	230 x 150 x 43 mm
Weight	1kg
Power over Ethernet	
PoE Standard	IEEE 802.3at Power over Ethernet / PSE
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 56V DC, 500mA. max. 30watts
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	65w or 120 watts (at room temperature)
Max. number of PoE PSE	8
Standard Conformance	
EMI Safety	FCC Class A, CE
Standard Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3x Flow Control IEEE 802.3at/af Power over Ethernet
Environment	
Operating Environment	0 ~ 40 degrees C
Storage Environment	-10 ~ 70 degrees C
Operating Humidity	5 ~ 95%, Relative Humidity, non-condensing
Storage Humidity	5 ~ 95%, Relative Humidity, non-condensing

Ordering Information

FSW-801P-65W	9-port 10/100M Switch with 8-port 802.3at PoE, 65w internal power
FSW-801P-120W	9-port 10/100M Switch with 8-port 802.3at PoE, 120w internal power

Application Diagram



***PoE Repeater : PR100, EP2wire**