

# 16-Port 10/100Mbps with 8-Port PoE Web Smart Ethernet Switch



For cost saving and flexible using of PoE power provision, half of the 10/100Mbps TP ports of the SWP-1608 Provide a POE Injector function which is able to drive 8 IEEE 802.3af compliant powered devices.

For SOHO or department network, the SWP-1608 also provides a simple, cost-effective, and highly reliable network connection for data as well as power. Furthermore, it is the ideal device for bridging among Ethernet, Fast Ethernet workgroups and networks.

With data and power over Ethernet from one unit, the SWP-1608 shall reduce cables and eliminates the need for dedicated electrical outlets on the wall, ceiling or any unreachable place. A wire carries both data and power lowering the installation costs, simplifying the installation effort and eliminating the need for electricians or extension cords. We are also proud of the key feature - energy saving. With more efficient switching power supply, the efficiency of the SWP-1608 is much better than using four linear power adapters in a long run.

Providing 8 PoE interfaces, the SWP-1608 is much better for small businesses and workgroups requiring to deploy the PoE for the wireless access points, IP-based surveillance camera or IP phones in any places easily, efficiently and cost effective.

The smart functions make it easy to survey and control the PoE power provision to the devices by the Web and Console interface. Basic switching functions such as VLAN, Trunk, QoS and bandwidth control are available for network management.

## KEY FEATURE

- Complies with IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, IEEE 802.3x Flow Control and IEEE 802.3af Power over Ethernet.
- 16-Port 10/100Mbps Fast Ethernet ports
- 8-Port support 48VDC power to PoE Powered Device
- Each switching ports support auto-negotiation-10/20, 100/200Mbps supported
- Prevents packet loss with back pressure(half-duplex) and IEEE 802.3x PAUSE frame flow control(full-duplex)
- High performance Store and Forward architecture, broadcast storm control, runt/CRC filtering eliminates erroneous packets to optimize the network bandwidth
- Supports 8K absolute MAC addresses , automatic address learning and address aging
- LED indicators for easy network diagnostic
- Local console and remote web management interface
- Auto negotiation speed duplex mode control and bandwidth control, QoS setting on each port
- VLAN for network segregation and support up to 16 port-based VLAN groups
- Management VLAN function support
- Supports two trunk groups and up to maximum 4 ports with 800Mbps bandwidth
- PoE power Disable/Enable and PoE power consumption monitoring by management interface
- Auto-MDI/MDI-X detection on each RJ-45 port
- EMI standards comply with FCC, CE class A

## SPECIFICATION

Product 16-Port 10/100Mbps with 8-Port PoE Web Smart Ethernet Switch

Model	FNSW-1608PS
Network Connector	16-Port RJ-45 for 10/100TX, 8-Port with PoE injector function
LED Display	One power, 1-8 port PoE in-use, LNK/ACT, 100, 9-16 port LNK/ACT, 100
Switch architecture	Store and forward
MAC address	8K MAC address table with Auto learning function
Switch fabric	3,2Gbps
Throughput	2.38Mpps
Remote power feeding	End-point insert type and compatible with IEEE 802.3af Per port feeding power: 15.4 Watts
Management	Console / web management interfaces
IEEE 802.1p Port priority	Allow to assign low and high priority on each port
Port Trunk	Two trunk groups with up to 4-Port per trunk
VLAN	Port-Based VLAN, up to 16 groups
Management VLAN	Yes
PoE power control	Allow to disable or enable power provision and assign priority on each PoE port
Power	AC 100~240V, 50/60Hz, Max. 130 watts power consumption / 443 BTU
Temperature	Operating: 0~50 Degree C, Storage -40~70 Degree C
Humidity	Operating:10% to 90%, Storage: 5% to 95% (Non-condensing)
Dimension (W x D x H)	440 x 120 x 44 mm
EMI	FCC Class A, CE
Standard Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3x (Flow control) IEEE 802.3af Power over Ethernet IEEE 802.1p QoS

## APPLICATIONS

### Department / Workgroup PoE Switch

Providing up to 8 PoE, in-line power interface, the FNSW-1608PS can easily build a power central-controlled IP phone system, IP Camera system, AP group for the enterprise. For instance, 8 camera / AP can be easily installed around the corner in the company for surveillance demands or build a wireless roaming environment in the office.

Without the power-socket limitation, the Switch makes the installation of camera WLAN AP more easily and efficiently.

