

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



For cost saving purpose and providing advanced management functions, PLANET releases the new version of FNSW-1608PS, the layer 2 web smart Switch with PoE injector function built in. The FNSW-1608PS features 16 10/100Mbps Fast Ethernet ports with 8 IEEE 802.3af PoE interfaces. It supports MDI / MDI-X convertible on 16-10/100Mbps ports and provides PoE inject function on port #1 to port #8 which is able to drive 8 IEEE 802.3af compliant powered devices. The PoE power feeding can be set disable/enable and the PoE power consumption can be monitored for effective power usage.

With its Auto-Negotiation capability, all the RJ-45/STP ports of FNSW-1608PS can be configured to speeds of 10/20Mbps / 100/200Mbps (Fast Ethernet) automatically. In addition, the FNSW-1608PS is equipped with the MDI/MDI-X auto detection for easily plug and play connection, regardless of cabling types in straight through or crossover. The FNSW-1608PS also provides a simple, cost-effective, and highly reliable network connection for data and power transmission. Furthermore, it is the ideal device for bridging among Ethernet, Fast Ethernet workgroups and networks. It fits all kind of Ethernet installations such as campus, workgroup, department, enterprise, telecom or industrial applications.

The FNSW-1608PS features non-blocking 3.2Gbps backplane that greatly simplifies the tasks of upgrading your LAN for catering to increase bandwidth demands. For efficient management, the FNSW-1608PS Switch is equipped with remote Web interface and can be programmed for advanced switch management functions such as SNMP Alert Trap, port configuration, port-based / IEEE 802.1Q / MTU VLAN, port mirroring, port trunk, QoS, bandwidth control, broadcast storm control, MAC address / TCP & UDP filter and IGMP Snooping.

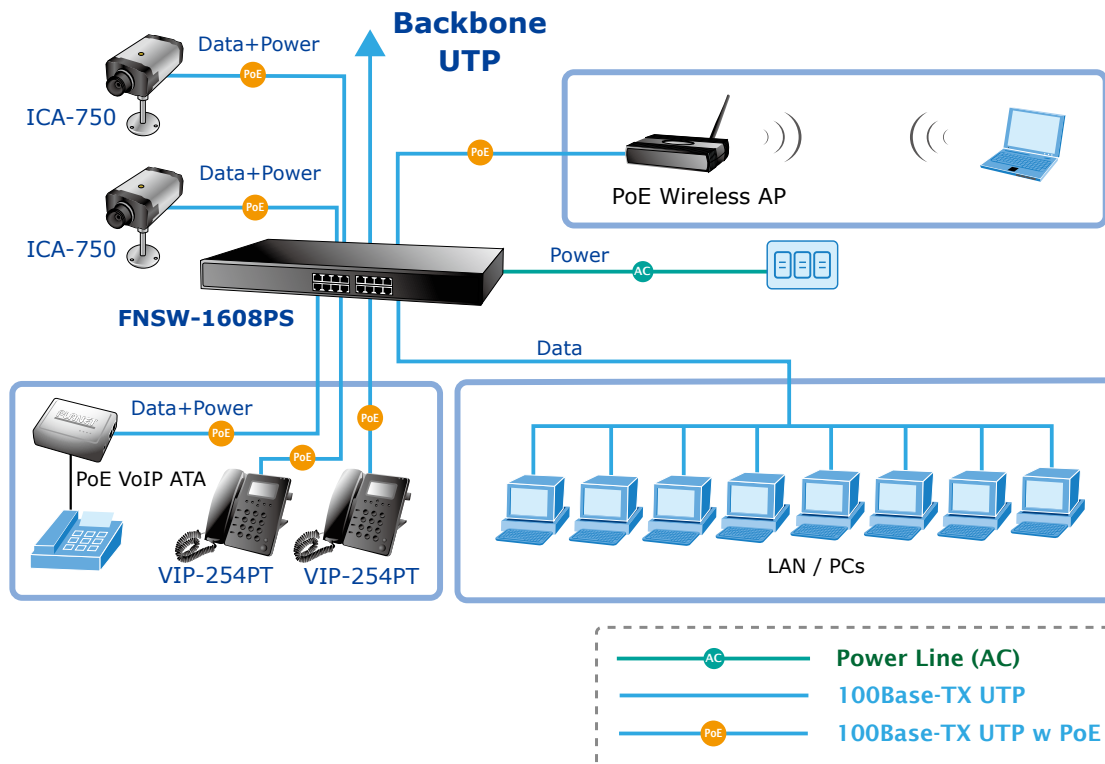
KEY FEATURES

- Complies with the IEEE 802.3, IEEE 802.3u Fast Ethernet standard
- 16-Port 10/100Mbps with 8-Port PoE Web Smart PoE Switch
- 8-Port support 48VDC power to PoE Powered Device (Port 1 to port 8)
- Each Switching port supports auto-negotiation-10/20, 100/200Mbps (Fast Ethernet) supported
- Auto-MDI/MDI-X detection on each RJ-45 port
- 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
- 4K MAC address table, automatic source address learning and ageing
- 2.75Mb embedded memory for packet buffers
- Remote Web interface for Switch management and setup
- SNMP Trap for alarm notification of events
- Broadcast Storm Control support
- Supports up to 16 port-based VLAN groups / 32 IEEE 802.1Q VLAN groups / MTU VLAN
- Supports up to 2 Trunk groups, each trunk for up to maximum 4 ports with 800Mbps bandwidth
- Supports QoS, bandwidth control and MAC address filter / TCP & UDP filter on each port
- Supports port mirroring function and IGMP Snooping v1 / v2
- PoE power Disable/Enable and PoE power consumption monitoring by management interface
- Firmware upgrade through Web interface
- Password setting, IP setting and device description setting through Planet Smart discovery utility
- 19-inch rack mount size
- Internal full-range power supply suitable for worldwide use
- EMI standards complies with FCC, CE class A

APPLICATIONS

Department/ Workgroup PoE Switch:

With 16 10/100Mbps ports, the FNSW-1608PS provides a cost-effective and high-performance solution for power users. With its 3.2 Gigabits per second, non-blocking switch fabric, this device can easily provide a local, high bandwidth Fast Ethernet network for your departmental backbone. 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 cameras / APs can be easily installed around the corner in the company for surveillance demands or to build a wireless roaming environment in the office. Without the power-socket limitation, the FNSW-1608PS makes the installation of cameras or WLAN AP easier and more efficient.



SPECIFICATION

Product	16-Port 10/100Mbps with 8-Port PoE Web Smart PoE Switch
Model	FNSW-1608PS
Hardware Specification	
Fast Ethernet Ports	16 10/ 100Base-TX RJ-45 Auto-MDI/MDI-X ports
Power over Ethernet ports	8-Port with PoE injector function (Port 1 to port 8)
Switch Processing Scheme	Store-and-Forward
Throughput (packet per second)	2.38Mpps
Switch fabric	3.2Gbps
Address Table	4K entries
Share data Buffer	2.75Mb embedded memory for packet buffers
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Dimension (W x D x H)	440 x 120 x 44 mm (1U height)
Weight	1.75 kg
Power Requirement	100-240V AC, 50-60 Hz, 1A
System operation Power Consumption / Dissipation (Full load)	13 watts / 46BTU
Temperature	Operating: 0~50 Degree C Storage: -40~70 Degree C
Humidity	Operating: 5~90% (Non-condensing) Storage: 5~90% (Non-condensing)
Power over Ethernet	
PoE Standard	IEEE 802.3af Power over Ethernet / PSE
PoE Power Output	Per Port 48V DC, 350mA. Max. 15.4 watts
Power Pin Assignment	1/2(+), 3/6(-)
Power Budget	110 watts
Smart function	
System Configuration	Web interface
Alert Trap	SNMP Trap for alarm notification of events
Port configuration	Port speed duplex mode selection. Flow control disable / enable. Port disable / enable. Port description on each port
Bandwidth Control	Yes, 1Mbps / 2Mbps / 4Mbps / 8Mbps / 16Mbps / 32Mbps / 64Mbps
Broadcast Storm Control	Yes, 5% / 10% / 25% / 50% / Disable
Port Statistics	Display each port's detail Ethernet traffic counter information
VLAN	16 port-based VLAN groups / 32 IEEE 802.1Q VLAN groups / MTU VLAN
Port trunking	Supports 2 groups of 4-Port trunk support, up to 800Mbps bandwidth per trunk
Port Mirroring	Port mirroring allows monitoring of the traffic across any port in real time
QoS	Allows to assign low / high priority on each port First-In-First-Out, All-High-before-Low, Weight-Round-Robin QoS policy
MAC address / TCP & UDP filter	Yes
IGMP Snooping v1 / v2	Allows to disable or enable
PoE power control	Allows to disable or enable power provision and assign priority on each PoE port
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3x Full-duplex Flow control
	IEEE 802.3af Power over Ethernet
	IEEE 802.1Q VLAN
	IEEE 802.1p QoS

* The specification is for FNSW-1608PS hardware version 2 only.

ORDERING INFORMATION

FNSW-1608PS	16-Port 10/100Mbps with 8-Port PoE Web Smart PoE Switch
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