

8-Port 10/100Mbps with 4-Port PoE Web Smart Ethernet Switch



Cost effective centralized power distribution with remote management

For cost saving and flexible using of PoE power provision, half of the 10/100Mbps TP ports of FSD-804PS provide PoE power injector function which is able to drive 4 IEEE 802.3af compliant powered devices.

For SOHO or department network, the Switch 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.

Easy Cabling installation

With data and power over Ethernet from one unit, the FSD-804PS 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 FSD-804PS would be much better than four linear power adapters in a long run.

Providing 4 PoE interfaces, the FSD-804PS is ideal for small business 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.

Friendly / Simple Web Management Interface

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

KEY FEATURES

INTERFACE

- 8-Port 10/100Mbps Fast Ethernet ports
- 4-Port support 48VDC power to PoE Powered Device

POE

- Complies with IEEE 802.3af Power over Ethernet End-Span PSE
- Up to 4 IEEE 802.3af devices powered
- Support PoE Power up to 15.4 watts for each PoE ports
- Auto detect powered device (PD)
- Circuit protection prevent power interference between ports
- Remote power feeding up to 100m

POE MANAGEMENT

- Total PoE power budget control
- Per port PoE function enable/disable
- PoE Port Power feeding priority
- Per PoE port power limit
- PD classification detection

MANAGEMENT

- Web interface for remote management
- Firmware upgrade through Web interface
- PLANET Smart Discovery utility automatically finds PLANET devices on the network
- SNMP Trap for alarm notification of events

SWITCHING

- Hardware based 10/100Mbps Auto-negotiation and Auto MDI/MDI-X function
- Flow control for full duplex operation and back pressure for half duplex operation
- Integrates address look-up engine, support 1K absolute MAC addresses
- Automatic address learning and address aging

- IEEE 802.1Q Tag based VLAN and Port-Based VLAN
- 2 priority queues on all switch ports
- Port Based, IP DSCP and 802,1p tag priority QoS
- Ingress / Egress Bandwidth Control
- Port Security

HARDWARE

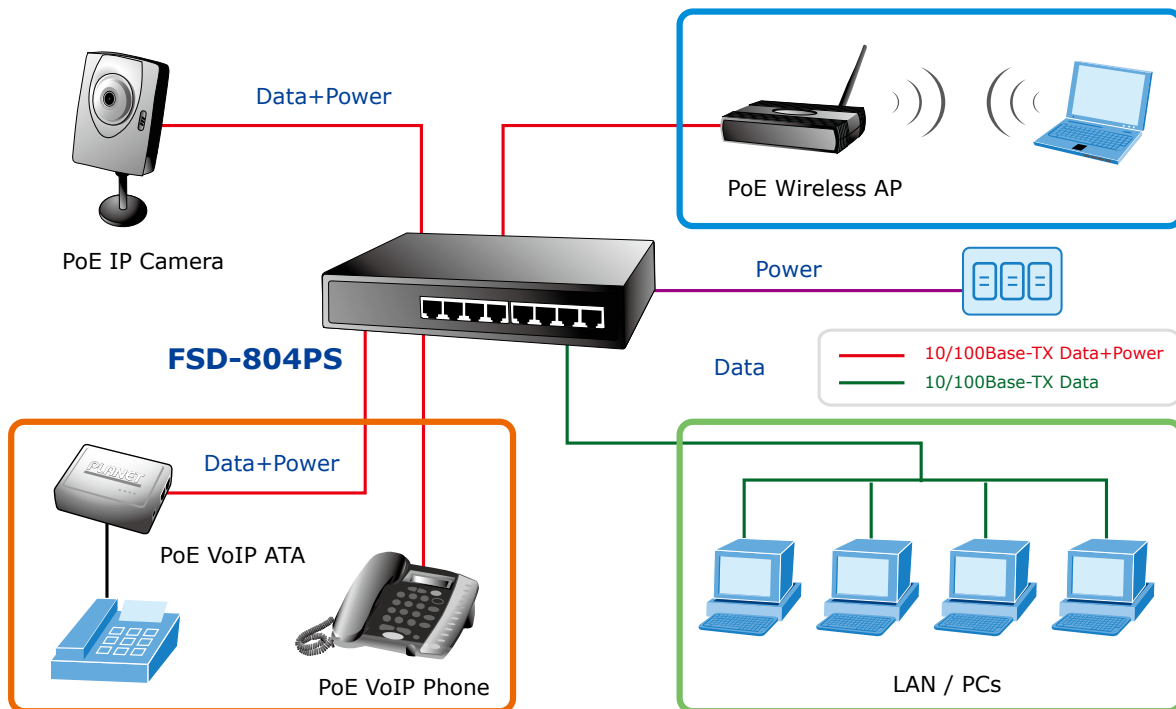
- 10-inch desktop size, rack mountable; 1U height
- Reset button for reset to default setting and system reboot
- LED indicators for POE ready and POE activity
- Optional Rack Ear Accessories Kit for 10-inch cabinet (RKE-10A) and 19-inch cabinet (RKE-10B)
- 1 silent FAN to provide stable and efficient power performance

APPLICATIONS

Department/ Workgroup PoE Switch

Providing up to 4 PoE, in-line power interface, the Switch can easily build a power central-controlled IP phone system, IP Camera system, AP group for the enterprise. For instance, 4 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 cameras or WLAN AP more easily and efficiently.



SPECIFICATION

Model	FSD-804PS	
Hardware Specification		
Network Connector	8-Port RJ-45 for 10/100Base-TX	
PoE Inject Port	4-Port with PoE injector function, Port-1 to Port-4	
LED Display	One power 1-4 port PoE in-use 1-8 port LNK/ACT	
Switch Architecture	Store and Forward switch architecture	
Switch Fabric	1.6Gbps	
MAC Address	1K MAC address table with Auto learning function	
Throughput	1.19Mbps	
Power	AC 100~240V, 50/60Hz,	
Power Consumption	Max. 65 watts / 221 BTU	
Dimension (W x D x H)	217 x 135 x 43 mm	
Weight	1.0 kg	
Power over Ethernet		
PoE Standard	IEEE 802.3af Power over Ethernet / PSE	
PoE Power Supply Type	End-Span	
PoE Power Output	Per Port 48V DC, 350mA . Max. 15.4 watts	
Power Pin Assignment	1/2(+), 3/6(-)	
PoE Power Budget	55 watts	
Layer 2 Function		
Management	Web management, SNMP Trap	
VLAN	Port-Based VLAN and IEEE 802.1Q Tag-Based VLAN, up to 16 VLAN groups 2 priority queues for three type of Class of Service <ul style="list-style-type: none"> • Port-Based 	
QoS	<ul style="list-style-type: none"> • IEEE 802.1p priority tag • TCP/IP header's DSCP classifier Weighted Round Robin queue scheduling	
Bandwidth Control	Inbound Rate Limit and Outbound Traffic shaping	
Storm Control	Disable, 12.5%, 25%, 50%, 62.5% 4 levels	
Standard Conformance		
EMI Safety	FCC Class A, CE	
Operating environment	0~40 degree C, 10%~95%RH	
Storage environment	-40 ~70 degree C, 95% RH	
Operating Humidity	5% to 90% , relative humidity, non-condensing	
Storage Humidity	5% to 90% , relative humidity, non-condensing	
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	Class of Service
	IEEE 802.1Q	VLAN Tagging

* The specification is for FSD-804PS hardware version 3 only

ORDERING INFORMATION

FSD-804PS	8-Port 10/100Mbps with 4-Port PoE Web Smart Switch
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RELATED PRODUCTS

FSD-804P	8-Port 10/100Mbps with 4-Port PoE Switch
RKE-10A	Rack-mount kit for 10-inch cabinet
RKE-10B	Rack-mount kit for 19-inch cabinet
POE-151S-5V	IEEE 802.3af Power Over Ethernet Splitter with 5VDC output (Mid-Span), (10/100Mbps)
POE-151S-12V	IEEE 802.3af Power Over Ethernet Splitter with 12VDC output (Mid-Span), (10/100Mbps)
POE-152S-5V	IEEE 802.3af Power Over Ethernet Splitter with 5VDC output (End-Span), (10/100/1000Mbps)
POE-152S-12V	IEEE 802.3af Power Over Ethernet Splitter with 12VDC output (End-Span), (10/100/1000Mbps)
FSD-803PE	8-Port 10/100Mbps Fast Ethernet Switch w/ IEEE 802.3af splitter built-in
ICA-107P	PoE CMOS IP Camera
ICA-310	30-meter Infrared Internet Camera
ICA-700	CCD Box Internet Camera
ICA-750	Dual Mode CCD Box Internet Camera
IVS-110	1-Channel Internet Video Server
WAP-4033PE	54Mbps Wireless PoE Access Point
WAP-4060PE	54/108Mbps Super G Wireless LAN Managed Access Point with PoE
WDAP-2000PE	54/108Mbps Super A+G WLAN Managed Access Point with PoE
VIP-154PT	SIP PoE IP Phone
VIP-155PT	Power over Ethernet SIP IP Phone
VIP-156PE	802.3af PoE SIP Analog Telephone Adapter
VIP-350PT	Business PoE IP Phone
VIP-550PT	Professional PoE IP Phone