

Websmart PoE Switch 8FE+2GE (COMBO) PS822M



Product Overview

Modern business networks are used for increasingly diverse applications – traditional data streams, VoIP voice traffic, video output from digital security cameras and remote control devices to name a few. The range of devices attached to today's converged network often need to be supported not just in terms of data – equipment such as VoIP IP telephones and Wireless Access Points frequently need to be powered in physical locations where mains power is not available or difficult to deliver. Providing power to such devices via an Ethernet UTP cable is an elegant and easy to implement solution.

The 8 Port 10/100Mbps PoE+ Switch offers advance switching controls and provides power to network devices using Ethernet cables. This scalable and cost effective solution allows a managed network to efficiently expand to previously unattainable levels.

The feature rich 8-port switch offers websmart network management to meet the accelerating demand for secure manageable networks. LED displays show device status for easy power management and troubleshooting. PoE technology conveniently eliminates the need to install networked devices, such as IP cameras and access points, near a power outlet, thereby reducing equipment and installation costs.

The PS822M offers 8 10/100Mbps Fast Ethernet ports and 2 Gigabit UTP/SFP combo ports. The two Gigabit UTP/SFP combo ports can be either 1000Base-T for 10/100/1000Mbps or 1000Base-SX/LX through SFP (Small Form-factor Pluggable) interface. PS822M performs a high performance switch architecture that is capable of providing non-blocking switch fabric and wire-speed throughput as high as 5.6Gbps. Its two built-in GbE uplink ports also offer incredible extensibility, flexibility and connectivity to the core switch or servers.



Key Features

- 8 10/100Mbps Fast Ethernet ports and 2 Gigabit UTP/SFP Combo ports
- Up to 30W of power output per PoE port
- Complies with IEEE 802.3at/af or Legacy PoE
- Web Smart Switch Function Management
- Automatic Detection and Protection of Non-standard Ethernet Terminals
- PoE Power Control, Power Delay, Scheduling, Auto Check
- Port-Based VLAN and IEEE 802.1Q Tag-Based VLAN, up to 30 VLAN groups
- VLAN ID 1~4094
- Bandwidth control, Inbound Rate Limit, Outbound Traffic Shaping

Technical Specifications

Hardware Specification	
10/100Mbps Copper Ports	8 10/100Base-TX RJ-45 Auto-MDI/MDI-X ports
1000Mbps Copper Ports	2 10/100/1000Mbps RJ-45 Auto-MDI/MDI-X ports
SFP/mini-GBIC Slots	2 1000Base-SX/LX, Combo with Port 9,10
Switch Architecture	Store-and-Forward
Switch Fabric	5.6Gbps / non-blocking
Switch Throughput	4.16Mbps @64Bytes
Address Table	8k entries
Share Data Buffer	512K bytes or 4,096Mbit
Maximum Frame Size	9K Bytes
Flow Control	Back pressure for Half-Duplex IEEE 802.3x Pause Frame for Full Duplex
LED	PWR, SYS Port 1 ~ 8 LINK (Green) PoE (Amber) Port 9, 10 LINK (Green) GE (Green)
RESET Button	< 5 sec: System reboot



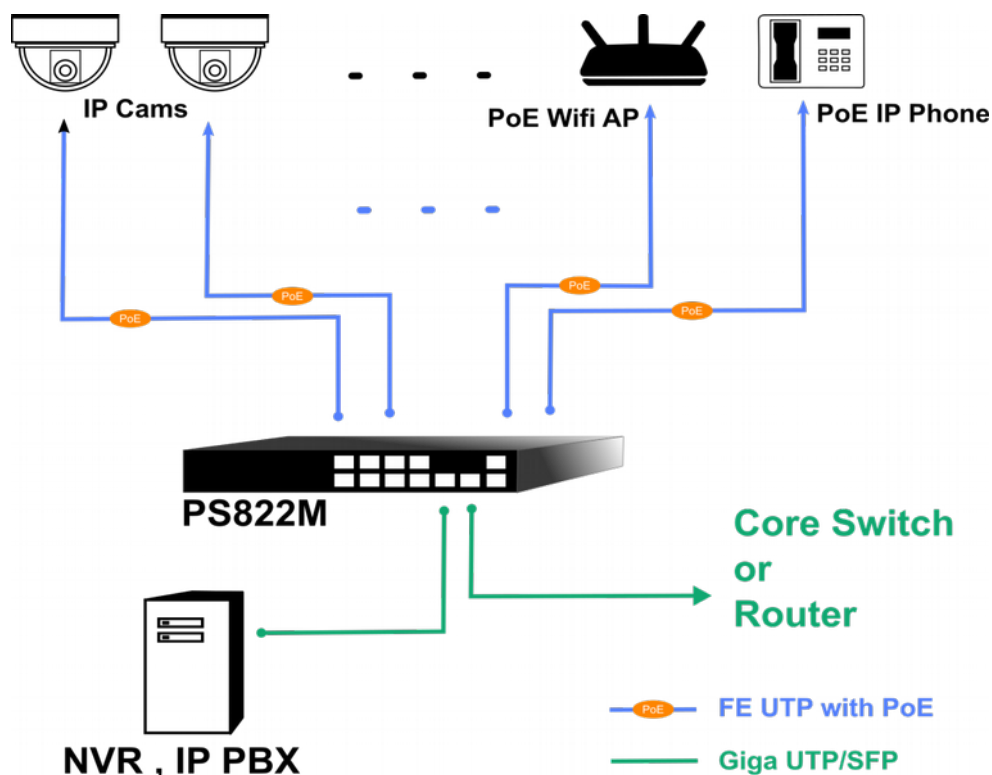
	> 5 sec: Factory Default
Dimension(W x D x H)	330 x 190 x 44mm
Weight	2.1kgs (250w)
Power Requirement	100~240V AC, 50~60Hz
Power Consumption / Dissipation	150w/250w
Power over Ethernet	
PoE Standard	IEEE 802.3at/af Power over Ethernet / PSE
PoE Power supply Type	End-Span
PoE Pin Assignment	1/2(+), 3/6(-)
PoE Power Output	Per port 56V DC, 350mA~560mA, Max 15.4~30 Watts
PoE Power Budge	240 Watts Max.
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3: 10Base-T IEEE 802.3u: 100Base-TX IEEE 802.3z: 1000Base- SX/LX IEEE 802.3ab: 1000Base-T IEEE 802.3x: Flow Control IEEE 802.1p: Class of Service IEEE 802.1Q: VLAN Tagging IEEE 802.3at/af: Power over Ethernet IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol
Environmental	
Operating	Temperature: 0~ 40 °C Relative Humidity : 20 ~ 95%
Storage	Temperature: -10~ 70 °C Relative Humidity : 20 ~ 95% (non-condensing)

Web Smart Functions	
System Configuration	Web Interface, SNMP v1 / V2c
Port Management	Port Configuration, Mirroring, Bandwidth Control, Broadcast Storm Control
VLAN Setting	Port-Based VLAN up to 30 groups, 802.1Q tagged-based VLAN up to 30 VLAN groups, VLAN IDs 1~4094 Multi to 1 Setting



QoS Setting	Assign First-In-First-Out, All-High-before-Low or Weight-Round-Robin QoS policy and each port for High / Low priority.
Security	MAC Address Binding, TCP/UDP Filter, Web Security by access port.
Spanning Tree	STP IEEE 802.1D Spanning Tree Protocol RSTP IEEE 802.1w Rapid Spanning Tree Protocol
Trunk	Link Aggregation Algorithm : 2 groups of 4-port 10/100BASE-TX (port 1~4 , 5~8) 1 group of 2-port 10/100/1000BASE-T (port 9,10)
PoE Setting	PoE Status, Setting, Event Counter, Power Delay, Scheduling, Auto Check, NTP Setting
IGMP	IGMP(v1/v2) Snooping

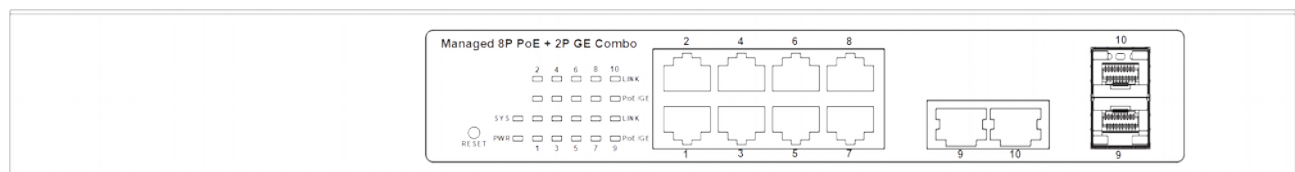
Application



LED Indicator

LED Indicator	Color	Status	Function
PWR	Green	ON	Power ON
		OFF	Power Off
SYS	Green	ON	IDLE
		OFF	System not ready yet
10/100BASE-TX RJ45 Interfaces (Port 1 ~ Port 8)			
LINK	Green	ON	LINK
		Flash	ACT
PoE	Amber	ON	PoE On
		Off	PoE Off
10/100/1000BASE-T RJ45/SFP Interfaces (Port 9,10)			
LINK	Green	ON	LINK
		Flash	ACT
GE	Green	ON	1000Mbps
		Flash	100Mbps

Front Panel



Rear Panel



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Ordering Information

Model/Specification	
PS822M-xxx	8-p Web Smart PoE Switch and 2 port Gigabit Combo, xxx watt
	xxx: 150w or 250w or 380w (optional)



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