

P-PS2400M

24p PoE Managed Switch with 2p Giga Combo Uplink



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 24 Port 10/100Mbps PoE+ Switch offers advanced 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 24-port switch offers web-smart 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.

P-PS2400M is compatible to IEEE 802.3af/at. It can power both existing 10/100Base-T network devices Wi-MAX and wireless IEEE 802.11n access points.

Ordering Information

Part Number Description

P-PS2400M: 24-Port Web Smart PoE+ Switch, 2 Gigabit TP/SFP Combo Ports (380W)

High Performance Wire-Speed Switching

The P-PS2400M offers 24 10/100Mbps Fast Ethernet ports and 2 Gigabit TP/SFP combo ports. The two Gigabit TP/SFP combo ports can be either 1000Base-T for 10/100/1000Mbps or 1000Base-SX/LX through SFP (Small Form-factor Pluggable) interface. P-PS2400M boasts a high performance switch architecture that is capable of providing non-blocking switch fabric and wire-speed throughput as high as 8.8Gbps. Its two built-in GbE uplink ports also offer incredible extensibility, flexibility and connectivity to the core switch or servers.

Features

- Up to 30W of Power on PoE output
- Compatible With IEEE 802.3at/af or Legacy PoE
- Web Smart Switch Function Management
- Automatic Detection and Protection of Non-standard Ethernet Terminals
- VLAN Port-Based VLAN and IEEE 802.1Q Tag-Based VLAN, up to 16 VLAN groups
- VLAN ID 1~4094
- Save up to 83% power with Green Technology
- Bandwidth Control, Inbound Rate Limit, Outbound Traffic Shaping

Hardware Specification

10/100Mbps Copper Ports	24 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, shared with Port-25~Port-26
Switch Architecture	Store-and-Forward
Switch Fabric	8.8Gbps / non-blocking
Switch Throughput	6.547Mpps @64Bytes
Address Table	8K entries
Share Data Buffer	512Kbytes or 4.096Mbit
Maximum Frame Size	9K Bytes
Flow Control	Back pressure for Half-Duplex IEEE 802.3x Pause Frame for Full-Duplex
LED	Power, FAN Alarm Link/Activity (Green) PoE In-Use (Amber) 1000 LNK / ACT(Green) 10/100 LNK / ACT(Green)
Reset Button	< 5 sec: System reboot > 5 sec: Factory Default
Dimension (W x D x H)	440 x 250 x 44 mm, 1U height
Weight	4 kgs
Power Requirement	100~240V AC, 50-60 Hz
Power Consumption / Dissipation	380 Watts maximum
Power over Ethernet	
PoE Standard	IEEE 802.3at/af Power over Ethernet / PSE

PoE Power Supply Type	End-Span
PoE Power Output	Per Port 52V DC, 350mA~560mA, Max. 15.4~30 Watts
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	360 Watts
Max. number of Class 3 PD	24
Max. number of Class 4 PD	12 (Max. 30W)

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

Environmental

Operating	Temperature:	0 ~ 50 Degree C
	Relative Humidity:	20 ~ 95%
Storage	Temperature:	-10 ~ 70 Degree C
	Relative Humidity:	20 ~ 95% (non-condensing)

Smart Functions

System Configuration	Web interface
Port Configuration	Port speed duplex mode selection Port Disable / Enable
Bandwidth Control	Yes
Broadcast Storm Control	Yes
Port Statistics	Display each port's details about Ethernet traffic counter information
VLAN	24 port-based VLAN groups / 32 IEEE 802.1Q VLAN groups / MTU VLAN
Spanning Tree Protocol	STP, IEEE 802.1D (Spanning Tree Protocol) RSTP, IEEE 802.1w (Rapid Spanning Tree Protocol)
Port Trunking	2 groups of 4-port (port 1~4, port 5~8) 10/ 100Base-TX trunk support, up to 800Mbps bandwidth per trunk group
Port Mirroring	Port mirroring allows monitoring of the traffic across any port in real time
PoE Control	Remote PoE On/Off management; PoE Status, PoE Setting, PoE Power Delay; PoE Scheduling