

24+2 Combo Layer 2+ PoE Managed Switch

Model No. SP6824P



Introduction

Micronet SP6824P is 24-port 10/100M and can support 2 Combo Gigabit Copper/SFP ports to uplink other Ethernet switches. The multi-function switch is designed for medium or large network environment to strengthen its network connection. It consists of 24 PSE/PoE ports. The capability can help solve the limitation of the power outlet location and offer system designer a flexible solution to locate the network device or power device (PD) anywhere. It also gives you the option of installing it in a 19" cabinet by rack-mount kits. SP6824P features 24 IEEE 802.3af Power over Ethernet (PoE) ports supplying up to 15.4 watts per port. This product can convert standard 100~240V /AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3af compliant network accessories. It also features PoE awareness to verify whether the network device receive power is IEEE 802.3af/at compliant, or only the data will be sent through LAN cable. It can detect the presence of 802.3af/at compliant devices, providing power to different appliances, such as IP Camera, wireless AP or IP Phone, to enable a unified supply of data, voice, video and power over standard Cat.5, 5E, 6, and 7 twisted pair cable.

Key Features

- Provide 24 IEEE 802.3af PoE ports, or some IEEE 802.at ports and power supplying up 370 Watts totally
- Support VLAN Tagging (IEEE 802.1Q) and protected port feature for port isolation
- Support Link Aggregation (IEEE 802.3ad) and QoS (Port-based/IEEE 802.1p) feature
- Support Storm Control (Broadcast, multicast and unknown unicast) feature
- Support IGMP Snooping, IGMP Proxy, IGMP Querier and IGMP immediate leave features
- Support IEEE 802.1x with RADIUS and TACACS+ Server for authentication
- Support Spanning Tree Protocol (STP, IEEE 802.1D/w/s) and RSTP root guard features
- Support rate limiting and port self-loop detection
- Support IP and MAC ACL, also MAC-based port, SSL and SSH security features
- Support DHCP client and DHCP relay, port mirroring features
- Support SNMP v1/v2c/v3 and RMON group (history, statistics, alarm, and events) features
- Allow Web, Telnet, and CLI Access management

Application

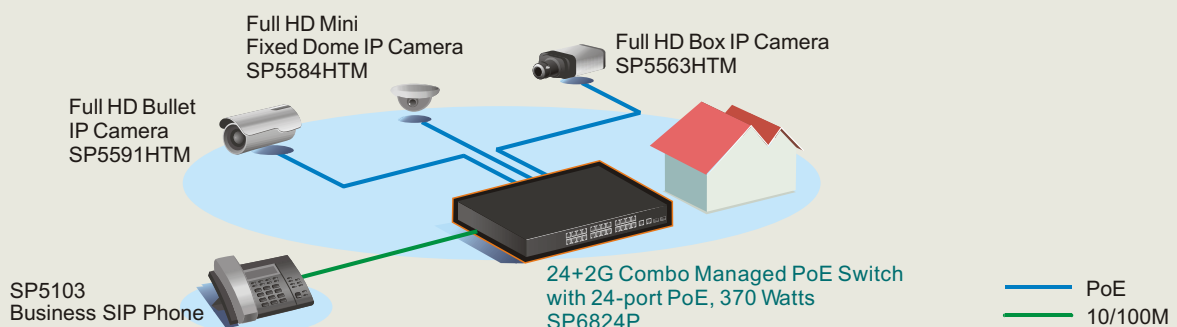
Related Products



SP5584HTM
Full HD Mini Fixed Dome IP Camera



SP5563HTM
Full HD Box IP Camera



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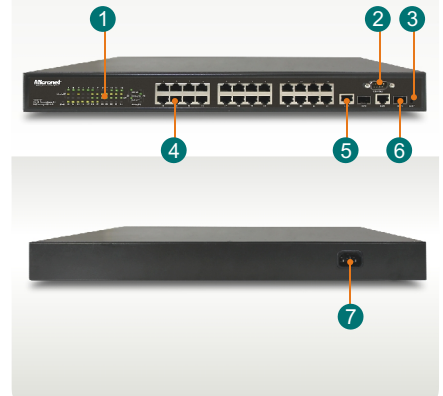
SPECIFICATION AND PRODUCT FEATURES

Model	SP6824P	
Standards	IEEE802.3, 10Base-T	IEEE802.3ab, 1000Base-T
	IEEE802.3u, 100Base-TX	IEEE802.3z, 1000Base-SX
	IEEE802.3u, 100Base-FX	IEEE802.3z, 1000Base-LX
Layer 2 Features	Auto Negotiation	Private VLAN Edge(Protected Port)
	Auto MDI/MDI-X	Multicast VLAN Management
	IEEE802.3x, Flow Control	GVRP (GARP VLAN Registration)
	IEEE802.3ad, Link Aggregation(LACP)	IEEE802.1d, STP
	LACP-Trunking Group Number	IEEE802.1w, RSTP
	LACP-Port for each Group	IEEE802.1s, MSTP
	Port Trunk (Static Link Aggregation)	RSTP Root Guard
	Protocol-based VLAN	Port Mirroring
	IEEE802.1q, Tag-based VLAN	Jumbo Frame
	IEEE802.1q-in-q, Nested VLAN	Broadcast Storm Control
Layer 3 Features	DHCP Relay Agent (Option 82)	IGMP for Proxy
QoS	IGMP for Snooping	IGMP Immediate Leave
Management	IEEE802.1p, Traffic Prioritization (CoS), ToS, Port Priority, Bandwidth Control, QoS Remarking	
	Console, Telnet, Web-based HTTP, Cable Diagnostics, RADIUS, Firmware Upgradable	
SNMP & MIBs	SNMPv1, SNMPv2, SNMPv3, MIB II, RMON MIB, Bridge MIB, IF MIB	
Security	IEEE802.1x, Port-based , Authentication, ACL(Access Control List), Mac Address Filtering, IP-MAC-Port Binding, Management IP List, Port Self-Loop Detection	
Hardware	3 Mbytes Packet Buffer , 8K Mac Address Table, 8.8 Gbps Switch Fabric, 4 MB RAM, 16 MB Flash RAM, 24 10/100M, RJ-45 ports, 2 10/100/1000M, RJ-45 ports, 2 mini-GBIC Slot	
Power	100~240 VAC, 50~60Hz, 370 Watts in total	
Dimension	430 x 350 x 44 mm	
Temperature	Operating: 0~40°C, Storage: -40~70°C	
Humidity	Operating: 20~85% (Non-Condensing)	

The product specifications are subject to change without prior notice

ORDERING INFORMATION

Model	Description
SP6824P	24+2 Combo Layer 2+ PoE Managed Switch



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- ① LED Indicators ⑤ 1000Base-TX port
- ② Console port ⑥ 1000Base-FX port
- ③ Reset ⑦ Power Jack
- ④ 10/100M RJ-45 port

COMPANION PRODUCTS

Consider the following Micronet products as a factor in your network planning.

- Ethernet Switch
- Industrial Ethernet
- IP Surveillance
- Wireless LAN
- VDSL • ADSL and Broadband
- IP Telephony
- KVM Switch
- Network Appliance
- Structured Cabling System

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Micronet Communications Inc.

E-mail: sales@micronet.com.tw; support@micronet.com.tw Web: www.micronet.com.tw

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