

IP-COM

Pro-S24-410W

ProFi Switch

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Description

Pro-S24-410W is a Gigabit switch with 24-port PoE of IP-COM ProFi software controller switch series, specially designed for such scenarios as SMBs and smart hotels. The switch can offer PoE output power up to 370W and support centralized control and management by IP-COM ProFi software controller, allowing users to deploy the network



Feature

- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s, IEEE 802.3af/at standards
- 24 x 10/100/1000 Base-T Ethernet ports , 4 separate 1000 Base-X SFP ports
- 16 K MAC address table and MAC address auto-learning
- 12Mb large buffer
- Support abundant services, such as static routing, VLAN, IGMP, QoS, ACL, DHCP Snooping, ARP and Telnet
- Support ProFi Software Controller management and local web visualization management

Key Appeal



Routing Protocol

The switch Support static routing protocol which support layer-2 isolation and layer-3 intercommunication, thus achieving efficient and fast layer-3 forwarding.



Centralized Management

Support centralized management and device status monitoring by the ProFi Software controller, and support remote access to cloud services, which is not restricted by the installation location of the device



Smart PoE power supply

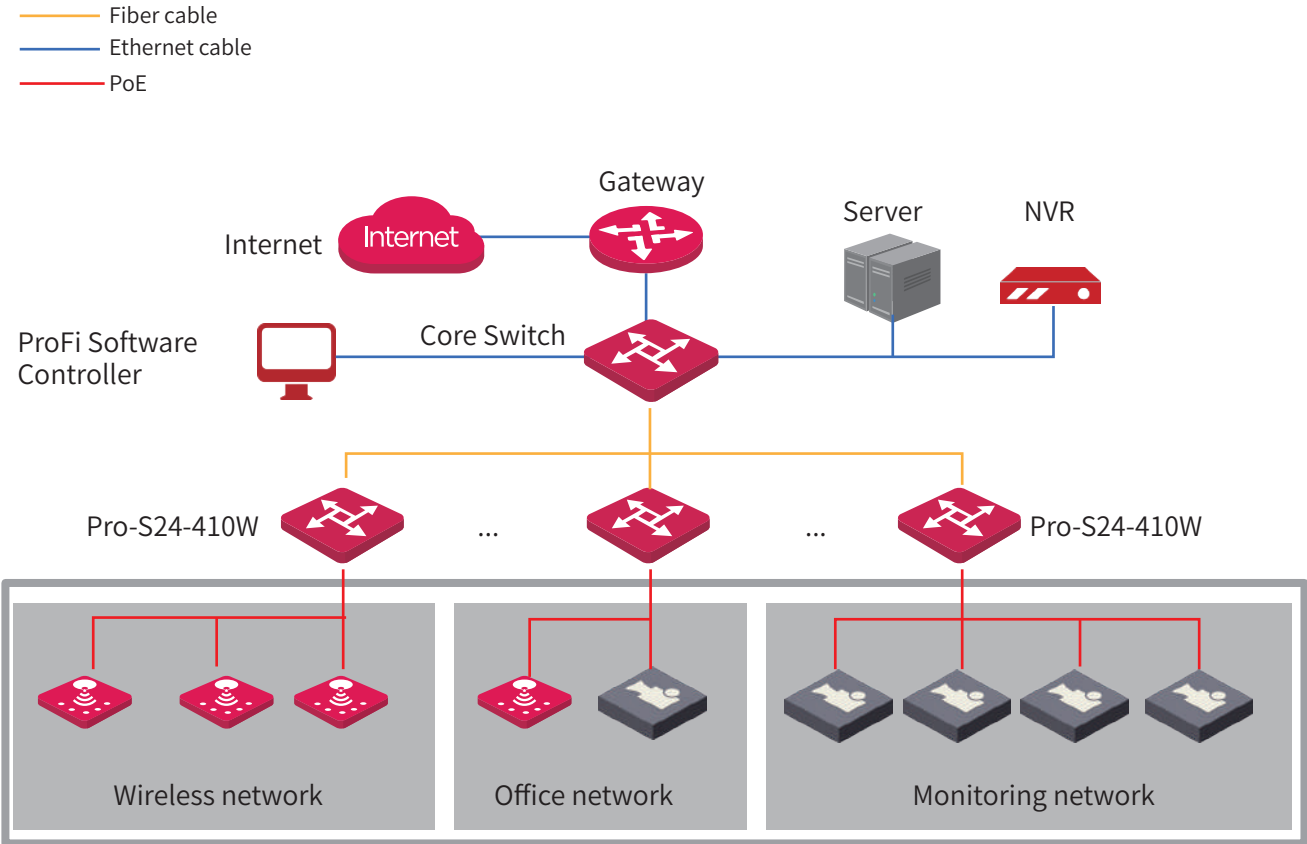
It provides 24 Gigabit PoE ports that comply with the IEEE802.3AF/AT standards. The maximum output of the whole switch is 370W, and the maximum output power of a single port is 30W. Users can flexibly set PoE power supply time, that means the PoE power supply can turned on or off at regular intervals.



Visualization

The system can generate a network topology automatically. It support IP camera discovery based on ONVIF protocol and network device discovery based on LLDP, as well as online/offline status detection for all devices in the network, which improves the LAN operation and maintenance efficiency and also reduces the maintenance cost.

Typical Application



Technical Specification

Product Model	Pro-S24-410W
Hardware Specifications	
Network Standard	IEEE802.3,IEEE802.3u,IEEE802.3ab,IEEE802.3z,IEEE802.3x,IEEE802.3af/at, IEEE802.1p,IEEE802.1q,IEEE802.1w,IEEE802.1d,IEEE802.1s
Mean Time Between Failures	≥ 100,000 hours
LED Indicator	One Link/Act or PoE LED indicator for each port One Link/One Link/Act mode converting LED indicator for each device One PoE mode converting LED indicator for each device One PoE Max LED indicator for each device One Power LED indicator for each device One SYS LED indicator for each device
Fixed Port	24 x 10/100/1000 Base-T Ethernet ports (PoE & Data) 4 x 1000 Base-X SFP port (Data)
Port Lightning Protection	≥6KV
Forwarding Mode	Store and forward
Switching capacity	56Gbps
Packet buffer	12Mb
MAC Address Table	16K
Packet forwarding rate	41.7Mpps
PoE Power Supply	Ports 1 to 24 support IEEE 802.3af/at standard PoE power supply 1 2 4 5 +, and 3 6 7 8 -
Input Voltage	100-240V AC 50/60Hz
Dimensions (L * W * H)	440 mm x 284 mm x 44 mm
Whole Switch Power Consumption	Whole switch consumption: <410 W Maximum PoE output power: 370 W
Operating Environment	Operating temperature: 0°C - 45°C Storage temperature: -40°C - 70°C Operating humidity: (10% - 90%)RH, non-condensing Storage humidity: (5% - 90%)RH, non-condensing

Technical Specification

Software Specifications	
PoE Power Supply Management	<ul style="list-style-type: none"> Port PoE configuration and power supply with priority PoE over-temperature protection PoE scheduled management Support intelligent and graphical management and PoE-powered device detection (port status, power assignment and PoE-powered device status)
Security features	<ul style="list-style-type: none"> Support ARP receiving limit Support unknown mac address discard Support DoS attack defense Support 802.1x security authentication Support RADIUS authentication
VLAN	<ul style="list-style-type: none"> IEEE 802.1Q VLAN VLAN Layer-3 interfaces Support three port modes: Access, Trunk and Hybrid
DHCP	<ul style="list-style-type: none"> Support DHCP server Support DHCP relay Support DHCP snooping Support Option 82 policy configuration
Routing	<ul style="list-style-type: none"> Support inter-VLAN routing Support IPv4 static routing Support dynamic ARP and static ARP Support ARP aging configuration
IPv6	<ul style="list-style-type: none"> Support IPv6 ND Support IPv6 ACL、IPv6 static routing、IPv6 ICMP
Port aggregation	<ul style="list-style-type: none"> Support static aggregation Support LACP dynamic aggregation Support a maximum of 32 aggregation groups and a maximum of 8 member ports in each group
STP (Spanning Tree Protocol)	<ul style="list-style-type: none"> Support IEEE 802.1d STP (Spanning Tree Protocol) Support IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) Support IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) Support edge ports Support BPDU statistics Support BPDU Guard, BPDU Filter, Support Root Guard, Loop Guard, and Loopback-detection

Technical Specification

Software Specifications	
Multicast	IGMP Snooping V1/V2/V3 Support port fast leave
Port Mirroring	Support N: 1 port mirroring
QoS	Support SP (Strict Priority) Support SWRR (Simple Weighted Round Robin) Support WRR (Weighted Round Robin) Support 802.1p port trust mode Support DSCP port trust mode Support a maximum of 8-queue service quality mapping Support Tail Drop Support storm suppression Support port speed limit
ACL	Support MAC ACL Support IPv4 ACL
Loading and upgrade	Support FTP/TFTP/HTTP upgrade Support configuration import and export
Local visualization management	Support discovery of such network devices as routers, switches, APs based on LLDP Support IP camera discovery based on ONVIF protocol Support automatic generation of topology Support local view and main view Support online/offline status detection for devices Support remotely rebooting IP cameras Support loop alerts Support custom device types and device names
Management and maintenance	Support centralized control and management by ProFi software controller, Support CLI configuration Support Telnet remote configuration Support SNMP V1/V2/V3 Support web management and maintenance Support system logs Support log classification Support NTP Support Ping & Tracert tests Support memory and CPU monitoring
Certifications	FCC、CE、RoHS

IP-COM
World Wide Wireless

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