# 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



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# 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
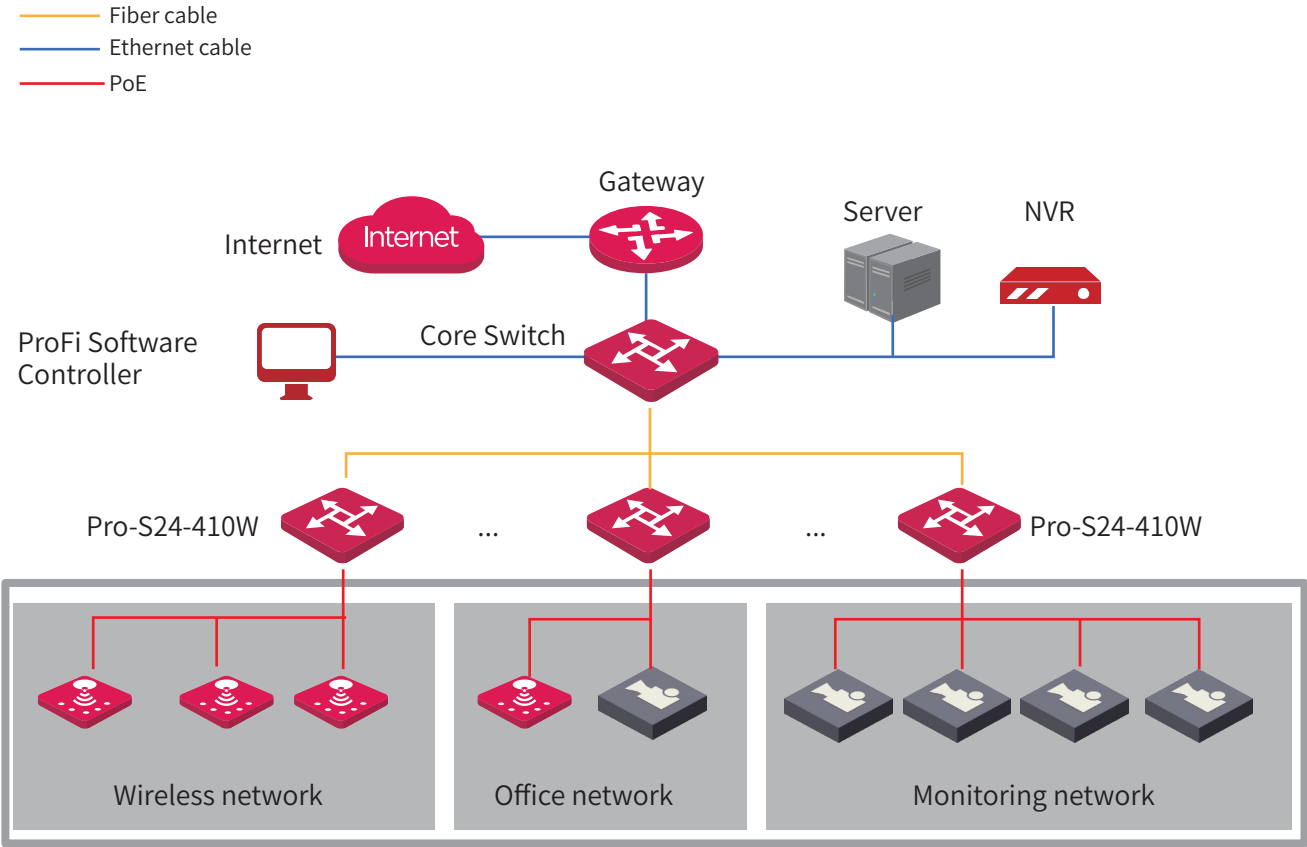
### Smart PoE power supply

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

Fiber cable
Ethernet cable
PoE

Internet

Internet

Gateway

Server

NVR

ProFi Software
Controller

Core Switch

Pro-S24-410W    ...    ...    Pro-S24-410W

Wireless network

Office network

Monitoring network

# 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<br>One Link/One Link/Act mode converting LED indicator for each device<br>One PoE mode converting LED indicator for each device<br>One PoE Max LED indicator for each device<br>One Power LED indicator for each device<br>One SYS LED indicator for each device |
| Fixed Port | 24 x 10/100/1000 Base-T Ethernet ports (PoE & Data)<br>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<br>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℃ - 45℃<br>Storage temperature: -40℃ - 70℃<br>Operating humidity: (10% - 90%)RH, non-condensing<br>Storage humidity: (5% - 90%)RH, non-condensing |

# Technical Specification

| Software Specifications | |
| --- | --- |
| PoE Power Supply Management | Port PoE configuration and power supply with priority<br>PoE over-temperature protection<br>PoE scheduled management<br>Support intelligent and graphical management and PoE-powered device detection (port status, power assignment and PoE-powereddevice status) |
| Security features | Support ARP receiving limit<br>Support unknown mac address discard<br>Support DoS attack defense<br>Support 802.1x security authentication<br>Support RADIUS authentication |
| VLAN | IEEE 802.1Q VLAN<br>VLAN Layer-3 interfaces<br>Support three port modes: Access, Trunk and Hybrid |
| DHCP | Support DHCP server<br>Support DHCP relay<br>Support DHCP snooping<br>Support Option 82 policy configuration |
| Routing | Support inter-VLAN routing<br>Support IPv4 static routing<br>Support dynamic ARP and static ARP<br>Support ARP aging configuration |
| Port aggregation | Support static aggregation<br>Support LACP dynamic aggregation<br>Support a maximum of 32 aggregation groups and a maximum of 8 member ports in each group |
| STP (Spanning Tree Protocol) | Support IEEE 802.1d STP (Spanning Tree Protocol)<br>Support IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)<br>Support IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)<br>Support edge ports<br>Support BPDU statistics<br>Support BPDU Guard, BPDU Filter,<br>Support Root Guard, Loop Guard, and Loopback-detection |

# Technical Specification

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

**IP-COM**
World Wide Wireless

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