

# X5308F

Cloud Managed Switch With 8-Port 10G SFP+

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### Products Description

X5308F is a three-layer cloud managed switch with eight 10G SFP+ ports independently designed by IP-COM. The switch supports ProFi Cloud web UI and ProFi App management, achieving efficient network maintenance, lower after-sales costs and easy configuration.



## Key Feature

- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3ad, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s standards
- 8 independent 10G Base-X SFP+ ports, and 1 Console port, and 1 MGT port
- 16 K MAC address table and MAC address auto-learning
- 12 MB large buffer
- Supports DHCP server, static routing, QVLAN, IGMP, QoS, ACL, DHCP snooping, SSH and other functions
- Supports ProFi Cloud web UI management, ProFi App management and visualized local management

## Main Features



### Remote Cloud Management

Supports remote management through IP-COM ProFi Cloud web UI and ProFi App, adding devices in batches through QR codes for cloud management, as well as the configuration of VLAN, DHCP snooping, loop guard on ProFi App, realizing easy operation and maintenance.



### Abundant L2 and L3 Features

Supports the IPv4 static routing protocol, DHCP server, DHCP relay and DHCP snooping. Supports loop guard protocols: STP, RSTP and MSTP. Supports 802.1Q VLAN, voice VLAN, IP subnet-based VLAN, protocol VLAN and MAC VLAN.



### Topology Visualization

Generates network topology automatically, featured with camera recognition based on the ONVIF protocol, network device recognition through the LLDP protocol as well as online/offline test of all devices in the network, greatly improving the efficiency of network maintenance.



### Robust Security Mechanism

Supports IP/MAC/ARP filtering/DoS attack defense, HTTPS, SSH secure access and the ACL access control list, filtering corresponding data packets and enhancing network security.

## Specifications

Product information	
Product Model	X5308F
Hardware Specifications	
Network Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3ae, IEEE 802.3ad, IEEE 802.3z, IEEE 802.3x, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1d, IEEE 802.1s
Indicators	One Link/Act or PoE LED indicator for each port One Power LED indicator for each device One SYS LED indicator for each device
Fixed Ports	8 × 10G Base-X SFP+ ports 1 × RJ45 Console port 1 × RJ45 MGT port
Port Lightning Protection	≥6 kV
Forwarding Mode	Store-and-forward
MAC Address Table	16K
Input Voltage	100-240 V AC 50/60 Hz
Dimensions (L × W × H)	440 mm × 179.6 mm × 44 mm
Whole Switch Consumption	Whole switch power consumption: < 24W
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
Certificates	FCC, CE, RoHS

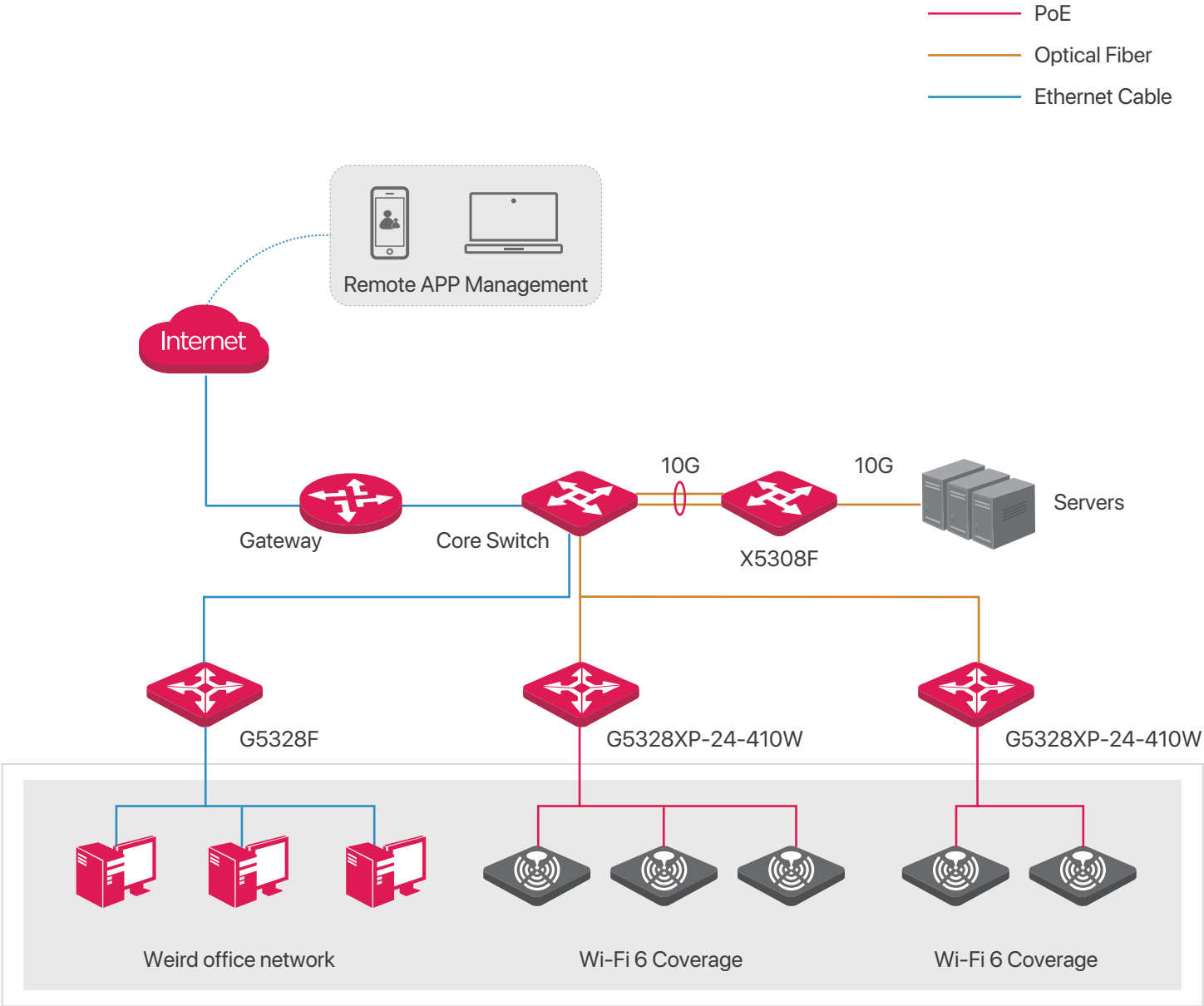
## Specifications

Software Specifications	
Security Features	<ul style="list-style-type: none"> <li>ARP receiving limit</li> <li>Unknown MAC address discard</li> <li>DoS attack defense</li> <li>802.1x security authentication</li> <li>RADIUS authentication</li> <li>HTTPS secure access</li> <li>SSHv2 secure access</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>802.1Q VLAN and 4 K VLAN table</li> <li>Voice VLAN</li> <li>MAC VLAN</li> <li>IP subnet-based VLAN</li> <li>Protocol VLAN</li> </ul>
IPv6	<ul style="list-style-type: none"> <li>IPv6 ND</li> <li>IPv6 Path MTU discovery</li> <li>IPv6 Static routing</li> <li>IPv6 ACL</li> </ul>
DHCP	<ul style="list-style-type: none"> <li>DHCP server</li> <li>DHCP relay</li> <li>DHCP snooping</li> <li>Supports option 82 policy configuration</li> </ul>
L3 Routing	<ul style="list-style-type: none"> <li>Inter-VLAN routing</li> <li>IPv4 static routing</li> <li>Static ARP</li> </ul>
Port Aggregation	<ul style="list-style-type: none"> <li>Static aggregation</li> <li>LACP dynamic aggregation</li> </ul>
STP (Spanning Tree)	<ul style="list-style-type: none"> <li>IEEE 802.1d STP (Spanning Tree Protocol)</li> <li>IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)</li> <li>IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)</li> <li>Supports edge port</li> <li>Supports BPDU statistics</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>IGMP snooping V1/V2/V3</li> <li>Supports port fast leave</li> </ul>
Port Mirroring	<ul style="list-style-type: none"> <li>Supports N:1 port mirroring</li> </ul>

## Specifications

Software Specifications	
QoS	<ul style="list-style-type: none"> <li>SR (Strict Priority)</li> <li>SWRR (Simple Weighted Round Robin)</li> <li>WRR (Weighted Round Robin)</li> <li>Supports 802.1p port trust mode</li> <li>Supports DSCP port trust mode</li> <li>Supports a maximum of 8 queues service quality mapping</li> <li>Supports Tail-drop</li> </ul>
Cloud Management	<ul style="list-style-type: none"> <li>Supports remote configuration delivery through ProFi Cloud web UI platform</li> <li>Supports ProFi App management</li> <li>Supports log reporting and fault detection</li> <li>Supports remote maintenance: restart, backup and upgrade</li> </ul>
Local Visualization	<ul style="list-style-type: none"> <li>Supports discovery and recognition of network devices such as routers, switches and APs through the LLDP protocol</li> <li>Supports camera discovery and recognition through the ONVIF protocol</li> <li>Supports automatic generation of topology</li> <li>Supports local view and main view</li> <li>Supports online/offline detection of clients</li> <li>Supports remote restarting of cameras</li> <li>Supports loop alert</li> <li>Supports custom device type and device name</li> </ul>
ACL	Supports MAC ACL and IPv4 ACL
Loading and Upgrade	<ul style="list-style-type: none"> <li>Supports FTP/TFTP/HTTP upgrade</li> <li>Supports configuration import and export</li> </ul>
Management and Maintenance	<ul style="list-style-type: none"> <li>Telnet configuration</li> <li>SNMP V1/V2/V3</li> <li>RMON</li> <li>LLDP-MED</li> <li>Web management and maintenance</li> <li>System log</li> <li>Log level</li> <li>NTP</li> <li>Ping/Tracert test</li> <li>CPU and memory monitoring</li> </ul>

# Typical Application





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