IP-COM

M50-F

2.5G Cloud Managed VPN Router

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Products Description

IP-COM 2.5G Cloud Managed VPN Router M50-F is specially designed for small and medium-sized enterprises. Using a high-performance, network-dedicated 3-core processor, the forwarding speed can reach up to 2.5Gbps.

M50-F comes with a series of advanced features (PPPoE, VPN, captive portal, flow control, multi-WAN, load balancing, controller mode, wireless optimization), and makes it easy to implement intelligent network access and management.

Key Feature

- Throughput up to 2.5Gbps.
- Provide 2.5G ports, Gigabit ports, and SFP ports
- Multi-WAN and Load Balancing
- 300 Clients

Product Features

Network Diagnosis

It can diagnose common network faults such as port connection status, port negotiation rate, DHCP service status, broadcast/loop detection, WAN port settings/status detection, DNS, latency, DHCP server intrusion, etc.

Multiple WAN

 M50-F supports up to 4 WAN ports. It can realize bandwidth stacking with 4 broadband lines, and the stacking efficiency can reach 98%. It supports intelligent routing, automatic traffic balancing and custom traffic balancing to fully utilize bandwidth resources.

Smart bandwidth management

Smart bandwidth management: No need to set the upper bandwidth limit, you can just fill in the actual bandwidth for access.
Custom bandwidth management: Custom bandwidth management needs to set the upper limit bandwidth of a single host, and the device will carry out strict bandwidth control.

Wireless optimization for Application Scenario

Can optimize channels and power based on enterprise office scenarios; Greatly improves roaming performance and wireless performance.

Multiple authentication methods

It supports WEB,E-mail,SMS,Random Code,PPPoE, and other authentication methods to control internet access rights and ensure network security
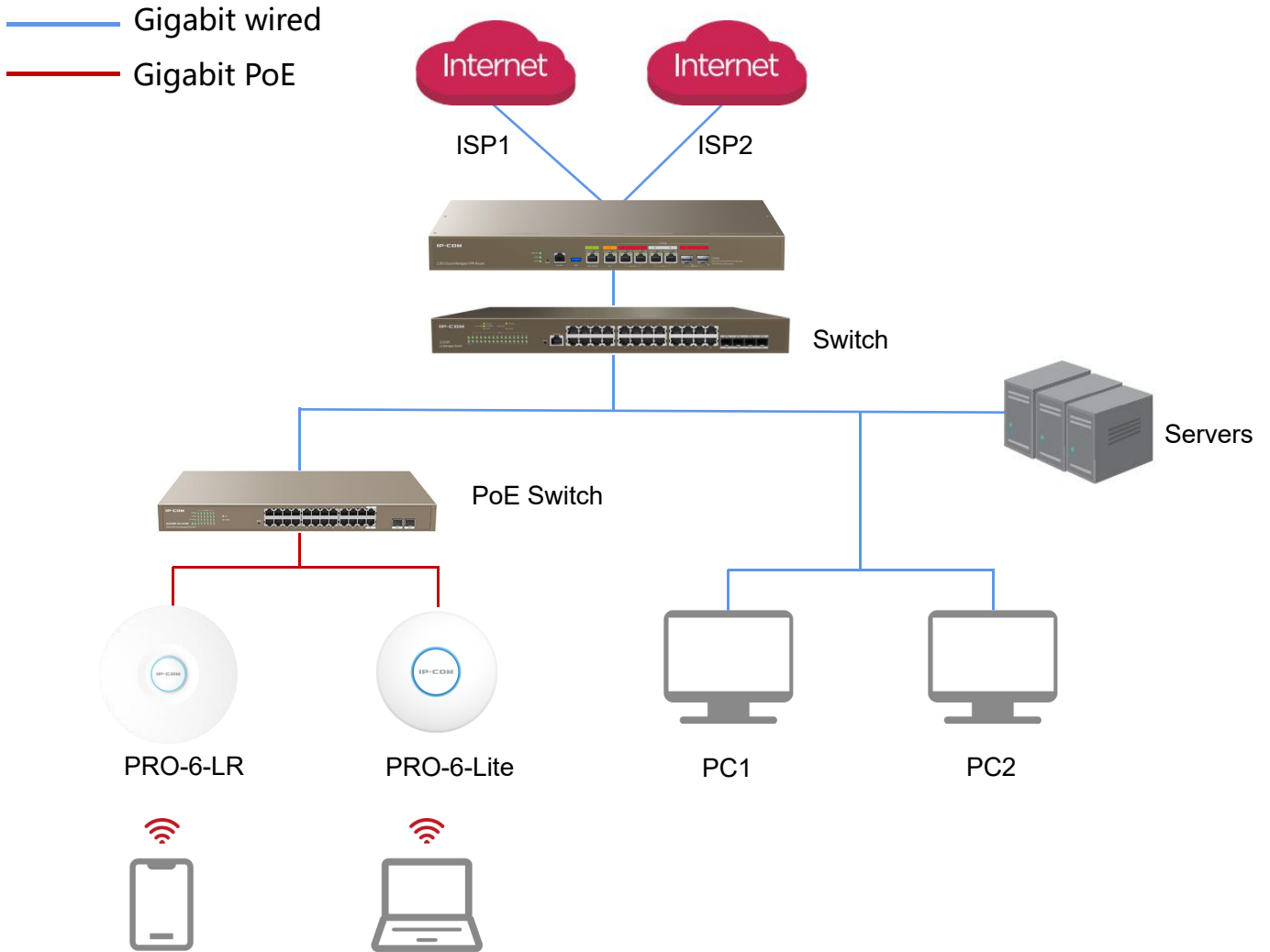
Efficient firewall

Support attack defense function, effectively resisting various common DoS attacks, DDoS attacks, ARP attacks, flooding attacks and scanning attacks. Support IP and MAC address binding, effectively preventing ARP spoofing. Support MAC address-based filtering to block unauthorized hosts from accessing. Support URL filtering to prevent users from accessing risky domain names, and reduce network risks.

Application scenarios

Gigabit wired
Gigabit PoE

Internet
Internet

ISP1
ISP2

Switch

Servers

PoE Switch

PRO-6-LR
PRO-6-Lite
PC1
PC2

Related Products

	PRO–6–Lite	• 2.4 GHz Band up to 574 Mbps • 5 GHz Band up to 2402 Mbps • Fast roaming at 50 ms • Small and compact
	W83AP	• 2.4 GHz Band up to 574 Mbps • 5 GHz Band up to 2402 Mbps • Fast roaming at 50 ms • long range

Product Specifications

Product Informations	
Model	M50-F
Installation	Desktop, rack installation
Dimensions (L*W*H)	440*285*44mm
Application Scenario	Enterprise Office,Boutique Hotel,Retail,CCTV
Operation mode	Router Mode, AC Mode

Performance Parameters	
Max. Client Capacity	400
Recommended Client Capacity	300
Recommended broadband	2500Mbps
Max. New Sessions	13000
Max. Concurrent Sessions	140000
AP Management	Router mode: 256; AC mode: 512
WAN	1-4WAN
NAT(Static IP)	2870Mbps/2863Mbps
NAT(DHCP)	2855Mbps/2847Mbps
NAT(PPPoE)	2740Mbps/2782Mbps
VLAN	16

Hardware Parameters	
CPU	RSIC-V ,Triple Core,1.25GHz
RAM	512MB
FLASH	16MB+128MB
Interface	1*2.5G+5*GE+2*SFP(Combo)
USB	1*USB,1*console
Power	Build-in power

Software Parameters(Router)	
AP Management	AP Group,Guest Wi-Fi,Wi-Fi Schedule,Wi-Fi Optimization,Scheduled Optimization
Status	Network Info,WAN Real-time Rate,Statistics of terminals
DHCP Server	User DHCP Server,AP DHCP Server,DHCP Reservation,Excluded IP Address
Fast Roaming	802.11K,V,R
Wi-Fi Security	WPA-PSK,WPA2-PSK,WPA3-SAE,WPA,WPA2
Load Balancing	Intelligent Load Balancing,Customize
ACL	IP Filtering,MAC Filtering,Port Filtering,URL Filtering,Wireless MAC Filtering,User Filtering

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Product Specifications

Software Parameters(Router)	
Bandwidth Limit	Group Limit,Single User Limit
VPN	IPSec、PPTP、L2TP
Virtual Server	DMZ,DDNS,DNS&IP Hijacking,UPNP,Interface Mirroring,Port Mapping,DNS Cache
Maintenance	Remote Web Management,Remote Debugging,Cloud Maintenance
Advanced Routing	Internet connection detection,Static Routing,Policy Routing
Security	IP–MAC binding, Block Ping from WAN,DDoS&ARP Attack Defense,Binary Association
IPV6	Support
System Tools	NTP,Scheduled reboot, Diagnosis
System Log	System Log,Operating Log,Running Log
System Maintenance	Restore,Backup,Scheduled reboot
Management Grading	Administrator,Visitor,Login IP Address Limit
Upgrade	Local,Online
Network Diagnosis	Network Diagnosis,Client Detection,WAN Diagnosis,Network Monitoring
Management	http/https,Profi Cloud,Profi APP
Software Parameters(AC)	
AP Management	AP Group,Guest Wi–Fi,Wi–Fi Schedule,Wi–Fi Optimization,Scheduled Optimization
Status	Statistics of terminals
DHCP Server	User DHCP Server,AP DHCP Server,DHCP Reservation,Excluded IP Address
Fast Roaming	802.11K,V,R
Wi–Fi Security	WPA–PSK,WPA2–PSK,WPA3–SAE,WPA,WPA2
ACL	Wireless MAC Filtering
Maintenance	Remote Web Management,Remote Debugging,Cloud Maintenance
System Tools	NTP,Scheduled reboot, Diagnosis
System Log	System Log,Operating Log,Running Log
System Maintenance	Restore,Backup,Scheduled reboot
Management Grading	Administrator,Visitor,Login IP Address Limit
Upgrade	Local,Online
Management	http/https,Profi Cloud,Profi APP
Other Parameters	
Environment	Operating Temperature: –10℃–45℃ Operating Humidity:10%–90% RH, non–condensing Storage Temperature: –40–70℃ Storage Humidity: 5%–90% RH, non–condensing

IP-COM
World Wide Wireless

IP–COM NETWORKS CO.,LTD.