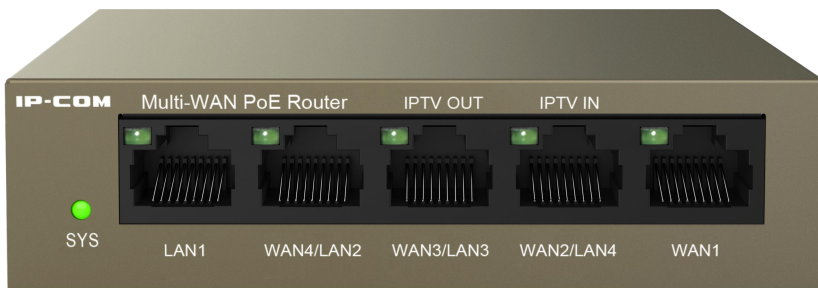


**IP-COM**

# **M20-PoE**

5 Port Cloud Managed PoE Router



# M20-PoE

## 5 Port Cloud Managed PoE Router

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### Products Description

M20-PoE integrates router, PoE switch, and access controller altogether. Dedicated 4x PoE+ Ports for PoE-supported devices such as access points, IP cameras, and IP phones, lowering infrastructure costs for small businesses.

M20-PoE supports pass-through traffic and multiple VPN protocols, including IPSec, PPTP, and L2TP . Intelligent load balancing and link redundancy between multiple WAN ports

## Key Feature

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- Integrates router, PoE switch, and controller altogether
- Dual-Core CPU provides 1Gbps Forwarding performance
- Up to 4x WAN Ethernet Ports, Support load balancing
- 4x 802.3at/af-compliant PoE+ ports yield a total power supply of 55W

## Product Features

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### 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.



### 55W PoE Budget

Support 4x PoE+ Ports for PoE-supported devices such as access points, IP cameras, and IP phones.



### 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

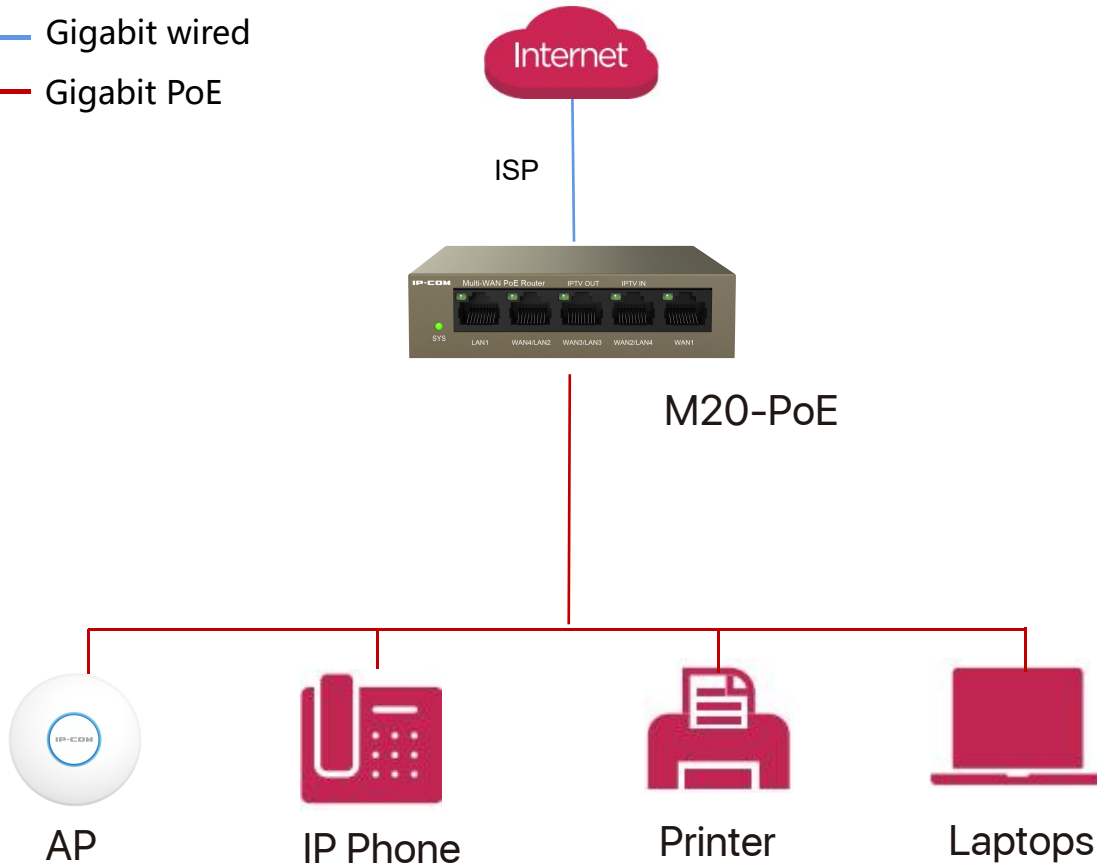


### Easy Installation

compact design for desktop and wall mounting, makes it suitable for various spaces.

## Application scenarios

-  Gigabit wired
-  Gigabit PoE



## 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



### PRO-6-IW

- 2.4 GHz Band up to 574 Mbps
- 5 GHz Band up to 2402 Mbps
- Fast roaming at 50 ms
- Double-sided tape installation

# Product Specifications

Product Informations	
Model	M20-PoE
Installation	Desktop
Dimensions (L*W*H)	100*100*26mm
Application Scenario	Enterprise Office,Retail,CCTV
Operation mode	Router Mode, AC Mode
Performance Parameters	
Max. Client Capacity	150
Recommended Client Capacity	100
Recommended broadband	1000Mbps
Max. New Sessions	4000
Max. Concurrent Sessions	49000
AP Management	Router mode: 256; AC mode: 512
WAN	1-4WAN
NAT(Static IP)	940Mbps/930Mbps
NAT(DHCP)	941Mbps/932Mbps
NAT(PPPoE)	914Mbps/924Mbps
VLAN	4
Hardware Parameters	
CPU	Mips,Dual Core,1.0GHz
RAM	128MB
FLASH	16MB
Interface	5*GE (Max. 4 WAN, Max. 4 LAN)
PoE output	802.3af/at on LAN1-4
PoE Budget	55W
Button	Reset Button
Max Power Consumption	63W with PoE Max;8W without PoE
Standards and Protocols	IEEE 802.3, 802.3u, 802.3x, TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, DDNS
Power Supply	51VDC/1.25A Adapter
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

## Product Specifications

Software Parameters(Router)	
Fast roaming	802.11K,V,R
Wi-Fi Security	WPA-PSK,WPA2-PSK,WPA/WPA2-PSK,WPA3-SAE,WPA3-SAE,WPA,WPA2
Bandwidth Limit	Group Limit,Single User Limit
ACL	IP/MAC/URL/PORT
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,WPA/WPA2-PSK,WPA3-SAE,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

# Product Specifications

## Other Parameters

### Environment

Operating Temperature: -10°C-45°C  
Operating Humidity: 10%-90% RH, non-condensing  
Storage Temperature: -40-70°C  
Storage Humidity: 5%-90% RH, non-condensing

**IP-COM**  
World Wide Wireless

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