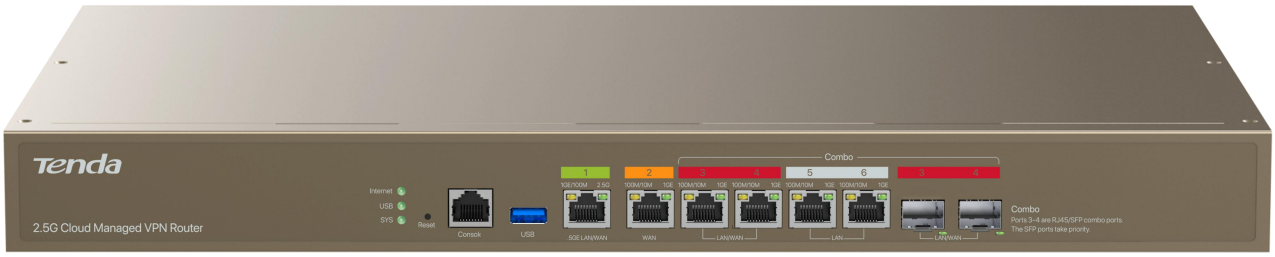
Tenda

G300-F

2.5G Cloud Managed VPN Router

www.tendacn.com



G300-F

2.5G Cloud Managed VPN Router

Tenda 2.5G Cloud Managed VPN Router G300-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.

G300-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.
- Support IPsec, PPTP, and L2TP VPN, creating a VPN network quickly
- Multi-WAN
- 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 authentication methods

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

Multiple WAN

G300-F supports up to 4 WAN ports. It can realize bandwidth stacking with 4 broadband lines, and the stacking efficiency can reach 98%.

Wireless optimization

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

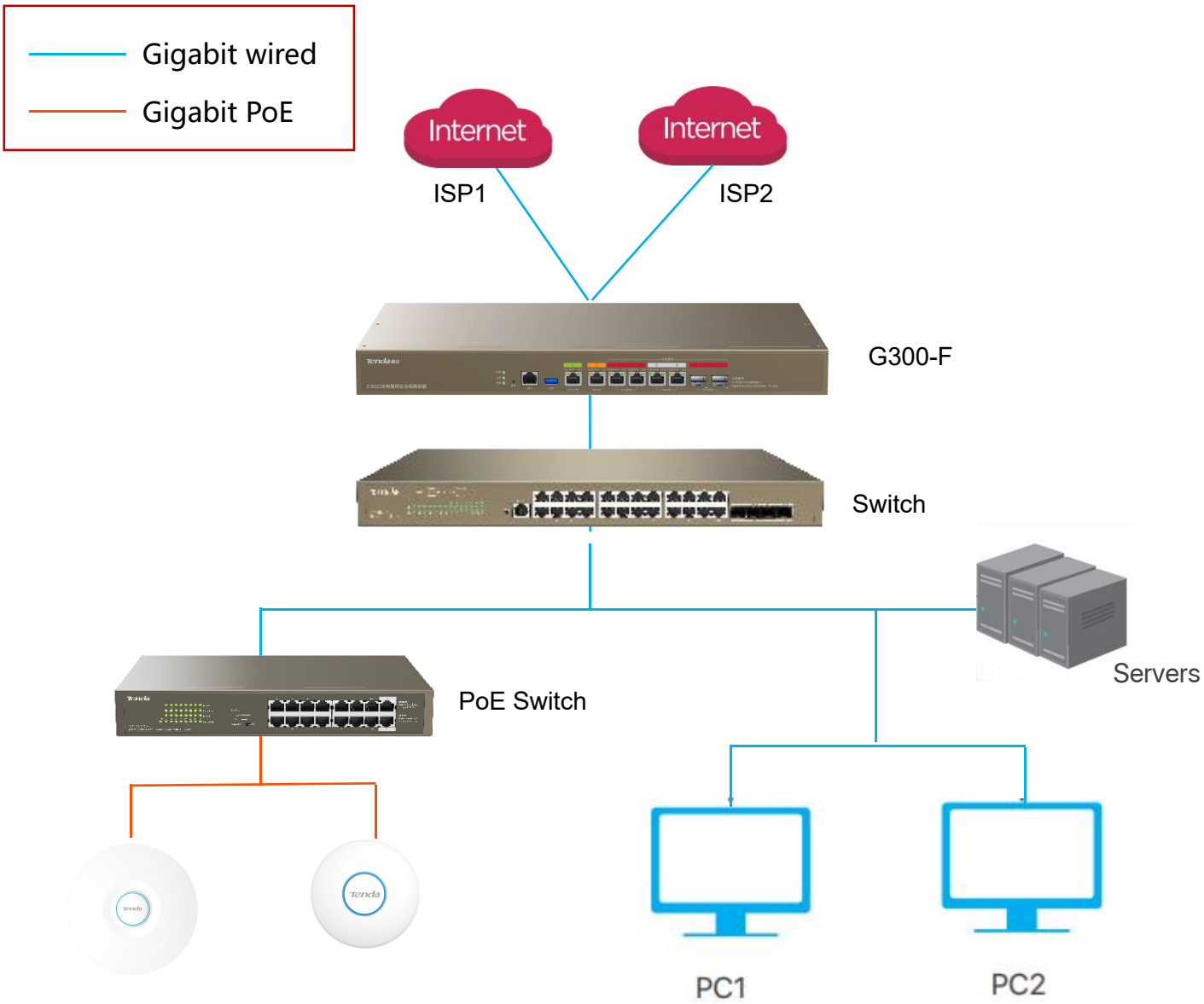
Smart bandwidth management

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.

Efficient firewall

Efficient firewall to ensure internal and external network security.
Support attack defense function, effectively resisting various common DoS attacks, DDoS attacks, ARP attacks, flooding attacks and scanning attacks.

Application scenarios



Related Products

i27

- 2.4 GHz Band up to 574 Mbps
- 5 GHz Band up to 2402 Mbps
- Small and compact
- Fast roaming at 50 ms

i29

- 2.4 GHz Band up to 574 Mbps
- 5 GHz Band up to 2402 Mbps
- long range
- Fast roaming at 50 ms

Product Specifications

Product Informations	
Model	G300-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)	Up:2870Mbps/Down:2863Mbps
NAT(DHCP)	Up:2855Mbps/Down:2847Mbps
NAT(PPPoE)	Up:2740Mbps/Down:2782Mbps
VLAN	16
Hardware Parameters	
CPU	RSIC-V Triple Core1.25GHz
RAM	512MB
FLASH	16MB+128MB
Interface	1*2.5G+5*GE+2*SFP(Combo)
Other Port	1*USB，1*console
Standards and Protocols	IEEE 802.3, 802.3u, 802.3x, TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, HTTP, DDNS
Power	Built-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
WAN Load Balancing	Intelligent Load Balancing,Customize
ACL	IP Filtering,MAC Filtering,Port Filtering,URL Filtering,Wireless MAC Filtering,User Filtering

Product Specifications

Software Parameters(Router)	
Bandwidth Limit	Group Limit,Single User Limit
VPN	IPSec,PPTP,L2TP
Virtual Server	DMZ,DDNS,DNS Hijacking,IP Hijacking,UPNP,Interface Mirroring,Port Mapping,DNS Cache
Maintenance Server	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 Attack Defense,ARP Attack Defense,Binary Association
IPV6	Support
System Tools	NTP,Scheduled reboot, Diagnosis
System Log	System Log,Operating Log,Running Log
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,Cloud management (Web & 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
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ACL	Wireless MAC Filtering
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Maintenance	Restore,Backup,Scheduled reboot
Management Grading	Administrator,Visitor,Login IP Address Limit
Upgrade	Local,Online
Management	http/https,Cloud management (Web & App)

Product Specifications

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

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