Tenda

G1
Enterprise Router

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Product Introduction

G1 is an enterprise-level router specially designed by Tenda for small and medium-sized enterprises. The device offers built-in behavior management and intelligent bandwidth management. In addition, it is also featured with multi-protocol VPN, multi-WAN overlay and many other enterprise functions. G1 integrates a convenient AP management system, and with APs of Tenda, the device supports functions such as fast roaming, load balancing, and smart wireless optimization, making enterprise office networking more convenient and efficient.

Key Features

- Smart bandwidth management, enabling you to set management policies based on user group and time group
- Support IPsec, PPTP, and L2TP VPN, creating a VPN network quickly
- Support multi-bandwidth access, up to 4 broadband lines at the same time
- Support switching between Router Mode and AC Mode, achieving more professional networking
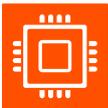- Support fast roaming, load balancing, intelligent channel adjustment

Product Features

Router Mode and AC Mode

It supports Router Mode and AC Mode. It can simultaneously manage 128 APs in router mode and 256 APs in AC Mode. It can automatically discover and manage Tenda APs in the network, and perform unified configuration and management of APs.

High-Performance

Dual-Core CPU,NAT throughput up to 1000Mbps

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.
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.cameras, and IP phones.

Ultra-small body, easy to place

Fully considering the application scenarios of various families and enterprises, the compact body design makes it easy to be placed in various information boxes and weak current boxes.

Multiple WAN ports with multiple broadband access

G1 supports up to 4 WAN ports. It can realize bandwidth stacking with 4 broadband lines, and the stacking efficiency can reach 98%. In addtition, it supports intelligent routing, automatic traffic balancing and custom traffic balancing to fully utilize bandwidth resources.

Relevant Info

———— Gigabit Copper Wire

———— PoE

Internet   Internet

G1

TEG3328F

Servers

TEG1116P-16-150W

i27   W15-PRO   PC1   PC2
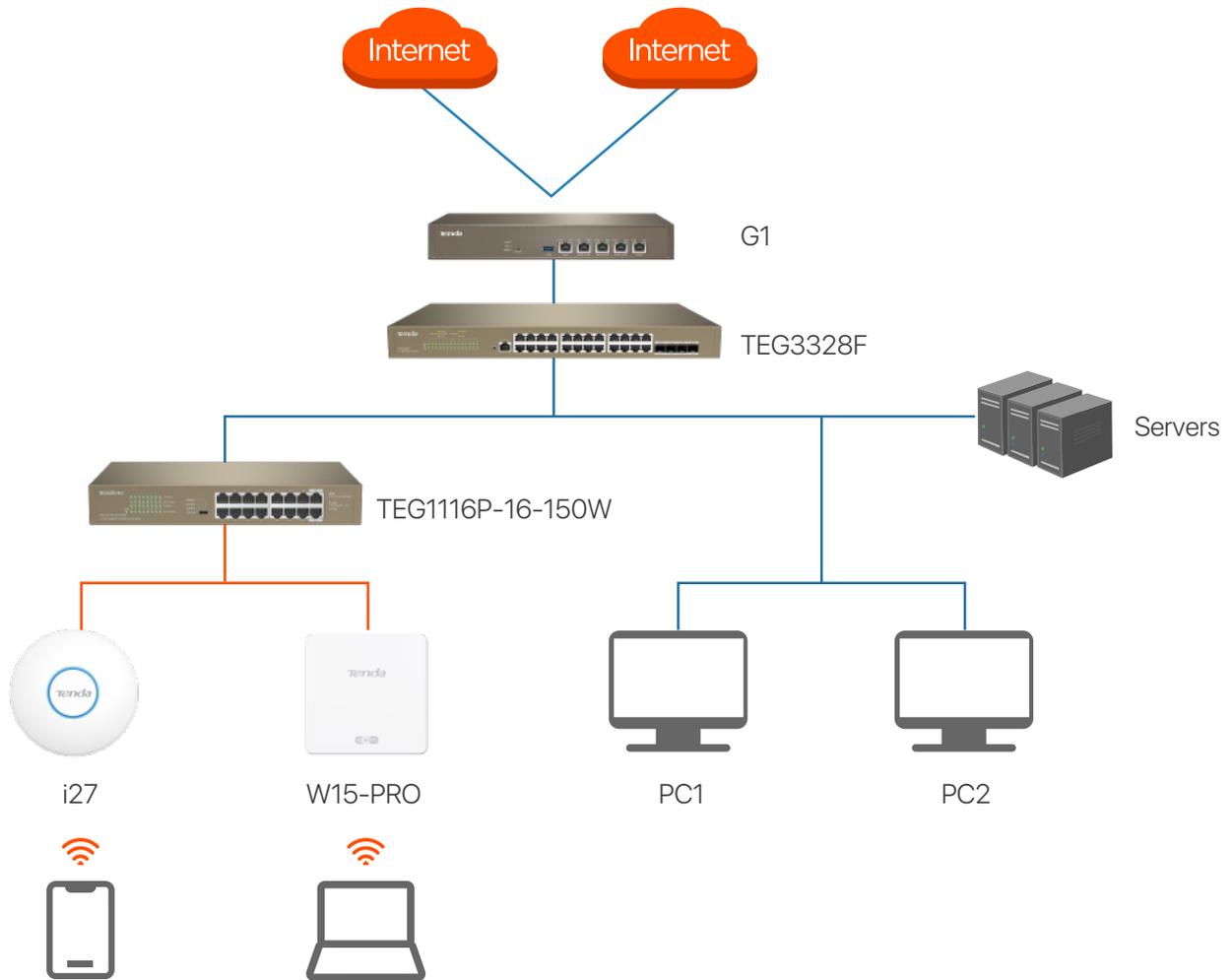
Related Products

W15-PRO
· 2.4 GHz Band up to 574 Mbps.
· 5 GHz Band up to 2402 Mbps.
· Fast roaming at 50 ms.
· Double–sided tape installation.

i27
· 2.4 GHz Band up to 574 Mbps.
· 5 GHz Band up to 2402 Mbps.
· Small and compact.
· Fast roaming at 50 ms.

Product Specifications

Product Informations	
Basic Information	G1
Installation	Desktop, rack installation
Dimensions (L*W*H)	294 mm*178.8 mm*44 mm
Application Scenario	Enterprise Office
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
NAT (Static IP)	940Mbps/930Mbps
NAT(DHCP)	941Mbps/932Mbps
NAT(PPPoE)	914Mbps/924Mbps
AP Management	Router mode: 128; AC mode: 256
VLAN	4
Hardware Parameters	
CPU	Dual Core，1.0GHz
RAM	128 MB
FLASH	16 MB
Ports	5*GE (Max. 4 WAN, Max. 4 LAN)
Button	Reset Button
USB	1*USB
Standards and Protocols	IEEE 802.3, 802.3u, 802.3x, TCP/IP, DHCP, ICMP, NAT, PPPoE, NTP, HTTP, DDNS
Power	Built-in power

Product Specifications

Software Parameters(Router)

AP Management	128APs
DHCP Server	DHCP Server(User/AP),DHCP Reservation
Wireless Policy	AP Group,SSID Policy,RF Policy,Vlan Policy,maintenance policy,Alarm Policy,Deployment Policy
Fast roaming	802.11k,v,r
IPTV	IPTV Policy
ACL	IP/MAC/URL/PORT
Bandwidth Control	Based on single user, user group, smart bandwidth control
VPN	IPSec, PPTP, L2TP
Virtual Server	DMZ, DDNS, DNS Hijacking,IP Hijacking,UPNP,Port Mirroring,Port Mapping,DNS Cache
IPV6	Support
WAN Load Balancing	Intelligent Load Balancing,Customize
Routing	Static Routing,Policy Routing
Security	IP-MAC binding, Block Ping from WAN,DDoS Attack Defense,ARP Attack Defense,Binary Association
System Tools	ntp,Scheduled reboot, Diagnosis
System log	system log,Operating log,Running log
System Account	Administrator,Visitor,Login IP Address Limit
Upgrade	Local,Online
Maintenance	Restore,Backup,Remote WEB Management
Management	http/https

Software Parameters(AC)

AP Management	256APs
DHCP Server	DHCP Server(User/AP),DHCP Reservation
Wireless Policy	AP Group,SSID Policy,RF Policy,Vlan Policy,maintenance policy,Alarm Policy,Deployment Policy
Fast roaming	802.11k,v,r
IPTV	IPTV Policy
Security	Block Ping from WAN,DDoS Attack Defense,ARP Attack Defense,Binary Association

System Tools	ntp,Scheduled reboot, Diagnosis
system log	system log,Operating log,Running log
System Account	Administrator,Visitor
Upgrade	Local,Online
Maintenance	Restore,Backup,Remote WEB Management
Management	http/https

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

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