Transform Ethernet to your High Rate **Wi-Fi 6**

AP256

High Performance WiFi6 Router

Key Features

Key Benefits

- WiFi6
- VPN
- 2.5G WAN port
- Multiple management

High Rate WIFI 6

- AX3600
- 4*4 MU-MIMO
- MESH*

High Performance Antennas

- Internal dual-bands 4*4 WiFi antennas
- Multi-frequency coverage
- High gain

Security assurance

- Stable firewall
- Multiple filtering rules
- Multiple security protocols
- Support backup of configuration files
- Online update and maintenance

Ideal Use Case

- Home
- Enterprise
- Shop, Store

Overview

WiFi6 series router that supports the newest IEEE 802.11ax standards. It implements the conversion between wired Ethernet data and wireless WiFi data. The MU-MIMO and beamforming function can ensure the high data rate and signal quality when several users are using simultaneously.
Besides the high-performance WLAN function, it also supplies firewall, QoS, maintenance, and management functions. It provides the stable services to home and enterprise users.

High Performance

WiFi6 series router supports the newest IEEE 802.11ax standards. The AX3600 data rate can easily supply the HD video, online game, and high-quality network applications. The MU-MIMO and beamforming function can ensure the high data rate and signal quality when several users are using simultaneously.

Versatility

Besides the basic WLAN functions, GDTY WiFi6 series also support firewall, VPN, QoS and etc. It satisfies the multi-directional requirements of users. Multiple management and maintenance methods (TR069/Telnet/APP*) are convenient for checking and operating. The software online update tool will also constantly provide the upgrade of these functions.

Customizable Software

The operating system and web-based GUI for WiFi6 series router are secondary development of OpenWRT, which have high plasticity and rich customization functions. Depends on different requirements of customer, the software is very customizable beyond basic functionality.

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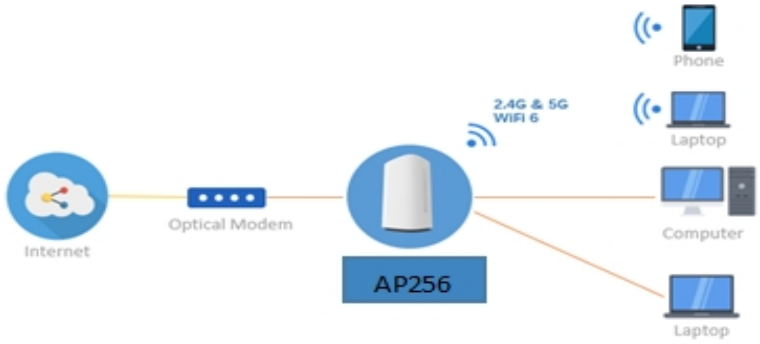
WiFi6 Router



Features & Specification

Wireless LAN
- Support 802.11 a/b/g/n/ac/ax standards
- 2.4GHz/5GHz frequency range
- 20/40/80/160 MHz bandwidth
- Channel adaption
- MSSID (8) +Guest network
- Adaptable power control
- WPS: PBC/PIN modes
- WPA-PSK/WPA2-PSK security
- AP Isolation/SSID Isolation
- SSID and WAN binding
- MSSID online list
- Beamforming
- MU-MIMO
- MESH*

Wi-Fi Antennas
- Internal 4*4 2.4GHz antennas
- Internal 4*4 5.8GHz antennas
- Gain: >3dBi
- VSWR: ＜2

Quality of Service Control
- 802.11e WMM
- Classification of service flow
- DSCP/802.1 p*
- SP and WRR mode
- Port/VLAN/ IP rate limitation

Firewall
- Built-in NAT firewall
- Firewall level setting
- Defense of DoS、ARP attacks/Port scan
- DHCP/ARP/IGMP message suppression
- MAC/URL filtering
- Inflow/outflow filtering of IP/Protocol/Port
- VPN pass-through

Operation Modes
- Bridge or Routed
- Mixed mode

Network Protocols and Features
- Connection modes: PPPoE/DHCP/Static
- IPv4, IPv6, IPv4/IPv6
- DHCP v4/v6 server
- Static (v4/v6) routing and RIP-1/2
- NAT/ALG/DMZ/virtual server
- ARP/ICMP/DNS proxy
- Dynamic Domain Name System (DDNS)
- IGMP snooping and IGMP proxy*
- MLD snooping and MLD proxy
- RIPng
- SNTP
- VLAN
- PPTP/L2TP/IPSec*
- File sharing

Management
- WebUI local management
- TR069 remote management
- Universal Plug and Play (UPnP)
- Online and local software update/rollback
- Configuration data upload and download
- Syslog monitoring
- Local and remote diagnostic
- System alarm*

Hardware Specification
Physical Interface
- USB3.0
- WAN port-RJ45 1*2.5G
- LAN ports-RJ45 4*GE
- Power port

LED indicators
- 5G Wi-Fi indicator
- 2.4G Wi-Fi indicator
- 2.5G port indicator
- LAN1 ~ LAN4 indicators
- Power/SYS indicator

Physical specification
- Dimensions: L120*W110*H213.7mm

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