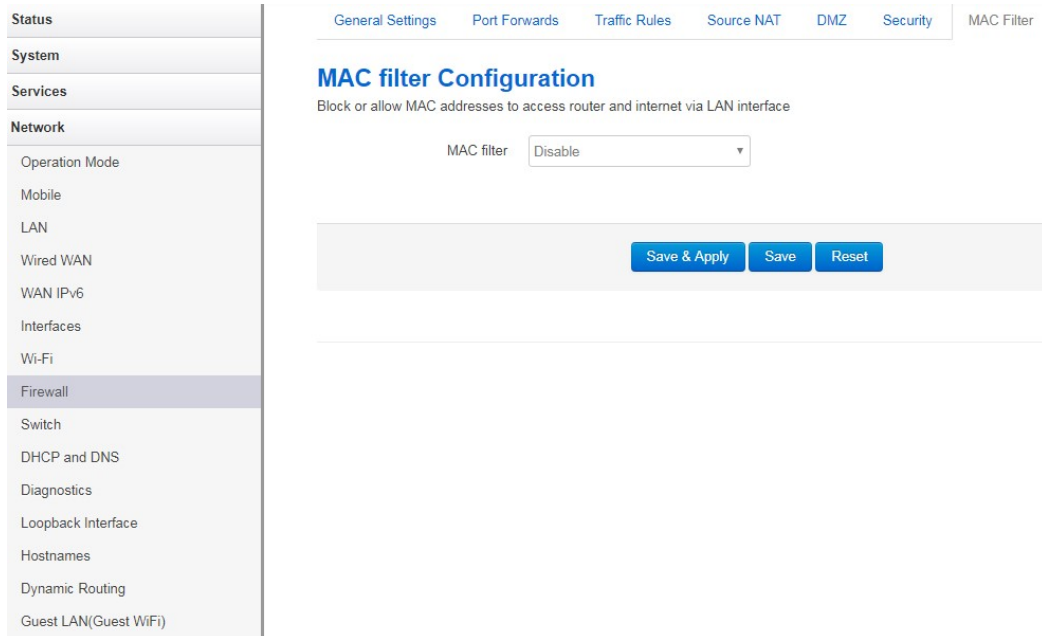


MAC filter for LAN interfaces

1. Open config page. Network→Firewall→MAC Filter



2. Select MAC filter mode.



Disable: the default value, which means all devices with any MAC address can access router and internet.

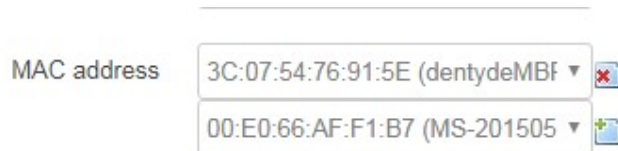
Allow list: only MAC addresses in the list can access router and internet.

Deny list: block all MAC addresses in the list, others can access router and internet.

3. MAC address

The MAC addresses list, if MAC filter is Allow list, then all MAC addresses in the list can access other devices via router. If MAC filter is Deny list, then all MAC address in the list cannot access others via router.

Press button  to delete item in the list, and press button  to add new item.



4. Create interface for each LAN physical interface to block denied MAC addresses access other devices in LAN.

This option is checkbox.

the default settings of router are all LAN physical interfaces are in the same bridge, that means all traffic between LAN and LAN are switched by bridge. Its cannot be blocked by Firewall.

Tick this option can create LAN interface for each physical interface. That means traffic between LAN and LAN can be blocked by Firewall. We can set LAN interfaces IP addresses and netmask on MAC Filter page.

Create interface for each LAN physical interface to block denied MAC addresses access other devices in LAN

LAN1 IP addr 192.168.1.1

LAN1 net mask 255.255.255.248

LAN2 IP addr 192.168.1.9

LAN2 net mask 255.255.255.248

LAN3 IP addr 192.168.1.17

LAN3 net mask 255.255.255.248

LAN4 IP addr 192.168.1.25







LAN4 net mask 255.255.255.248

5. After Save &Apply, router will create 3 LAN interfaces, we can see it in Network→Interface page.

Status
System
Services
Network
Operation Mode
Mobile
LAN
Wired WAN
WAN IPv6
Interfaces
Wi-Fi
Firewall
Switch
DHCP and DNS
Diagnostics
Loopback Interface
Hostnames
Dynamic Routing
Guest LAN(Guest WiFi)
Static Routes
QoS
Logout

Interfaces

Interface Overview

Network	Status	Actions
LOOPBACK 	Uptime: 0h 19m 17s MAC-Address: 00:00:00:00:00:00 RX: 3.89 KB (48 Pkts.) TX: 3.89 KB (48 Pkts.) IPv4: 172.16.0.100/32 IPv6: ::1/128	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Edit"/>
LAN 	Uptime: 0h 19m 17s MAC-Address: 90:22:06:80:06:9E RX: 482.81 KB (4927 Pkts.) TX: 415.79 KB (4157 Pkts.) IPv4: 192.168.1.1/29 IPv6: fd5b:b7b6:a961::1/60	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Edit"/>
LAN2 	Uptime: 0h 19m 17s MAC-Address: 90:22:06:00:06:9E RX: 0.00 B (0 Pkts.) TX: 1.22 KB (10 Pkts.) IPv4: 192.168.1.9/29	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
LAN3 	Uptime: 0h 19m 17s MAC-Address: 90:22:06:00:06:9E RX: 58.90 KB (687 Pkts.) TX: 126.69 KB (454 Pkts.) IPv4: 192.168.1.17/29	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
LAN4 	Uptime: 0h 19m 17s MAC-Address: 90:22:06:00:06:9E RX: 0.00 B (0 Pkts.) TX: 1.15 KB (9 Pkts.) IPv4: 192.168.1.25/29	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
IFMOBILE 	MAC-Address: 00:00:00:00:00:00 RX: 0.00 B (0 Pkts.)	<input type="button" value="Connect"/> <input type="button" value="Stop"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>