

Wireless Clients and Interface Grouping Isolation

(The operation here only applies to the firmware version after 5.00.00)

Wireless Clients Isolation

Go to **Wireless** -> **Basic** and make **Clients Isolation** box checked as below.

Wireless -- Basic

This page allows you to configure basic features of the wireless LAN.
Click "Apply/Save" to configure the basic wireless options.

- Enable Wireless
- Enable Wireless Hotspot2.0
- Hide Access Point
- Clients Isolation
- Disable WMM Advertise
- Enable Wireless Multicast Forwarding (WMF)

You can also enable clients isolation for Wireless Guest SSID.

Wireless - Guest/Virtual Access Points:

Enabled	SSID	Hidden	Isolate Clients	Disable WMM Advertise	Enable WMF	Max Clients
<input checked="" type="checkbox"/>	wl0_Guest1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16
<input checked="" type="checkbox"/>	wl0_Guest2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16
<input checked="" type="checkbox"/>	wl0_Guest3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16

Interface Grouping Isolation

In case, we want to have different local subnet for Wireless Guest network, we can create a new group for guest network. Go to **Advanced Setup -> Interface Grouping**, Click **Add** button to create a new group.

Interface Grouping -- Maximum entries: 16

Interface Grouping supports multiple ports to PVC and bridging groups. Each group will perform grouping and add the ungrouped interfaces to the Default group. Only the default group has

Enable Isolation

Group Name	Remove	WAN Interface	LAN Interfaces	DHCP Vendor IDs
Default		atm0.1	LAN2	
		atm0.2	LAN3	
		atm1.1	LAN1	
		atm1.2	TW-EAV510-BR0001	
		ptm0.1	wl0_Guest1	
		ptm0.2	wl0_Guest2	
		atm2.1	wl0_Guest3	
		atm2.2		
		ptm0.3		
		eth2.1		

In this case, we will make Wireless Guest1 network to have different subnet and it has own DHCP Pool, too.

Just do the settings as below.

Group Name: Guest1

Move **wl0_Guest1** from **Available LAN Interfaces** to **Grouped LAN Interfaces**

Click **Apply/Save** button to save changes.

Interface grouping Configuration

To create a new interface group:

1. Enter the Group name and the group name must be unique and select either 2. (dynamic) or 3
2. If you like to automatically add LAN clients to WAN Interfaces in the new group add the DHCP
3. Select interfaces from the available interface list and add it to the grouped interface list using the
4. Click Apply/Save button to make the changes effective immediately

IMPORTANT If a vendor ID is configured for a specific client device, please REBOOT the client

Group Name:

Grouped WAN Interfaces

Available WAN Interfaces

ipoe_0_0_33/atm0.1
 br_0_0_33/atm0.2
 ipoe_0_0_100/atm1.1
 br_0_0_100/atm1.2
 br_0_0_35/atm2.1
 ipoe_0_0_35/atm2.2
 ipoe_0_1_1/ptm0.1
 br_0_1_1/ptm0.2
 ipoe_0_1_1.252/ptm0.3
 ipoe_eth2/eth2.1



Grouped LAN Interfaces

wl0_Guest1

Available LAN Interfaces

LAN2
 LAN3
 LAN1
 TW-EAV510-BR0001
 wl0_Guest2
 wl0_Guest3



Automatically Add Clients
With the following DHCP
Vendor IDs

Once finished, you will see the new Interface Grouping table as below.

Group Name	Remove	WAN Interface	LAN Interfaces	DHCP Vendor IDs
Default		atm0.1	LAN2	
		atm0.2	LAN3	
		atm1.1	LAN1	
		atm1.2	TW-EAV510-BR0001	
		ptm0.1	wl0_Guest2	
		ptm0.2	wl0_Guest3	
		atm2.1		
		atm2.2		
		ptm0.3		
		eth2.1		
Guest1	<input type="checkbox"/>		wl0_Guest1	

To isolate different group, you can just make **Enable Isolation** box checked and click **Apply/Save** to save changes. When isolation is enabled, both **Default** and **Guest1** group cannot access each other, but the clients under both group can still access to device to do management.

Enable Isolation

How to block the device management access from Guest1 group

Go to **Advanced Setup** -> **LAN**, select **Guest1** in **Group Name** list box. Make **Enable LAN side firewall** box checked. Once checked, then all management access from **Guest1** group will be blocked. But Internet access is still work. You can also change the IP assignment/DHCP Server Pool/subnet details in this page.

Local Area Network (LAN) Setup

Configure the Broadband Router IP Address and Subnet Mask for LAN interface. Group Name

IP Address:

Subnet Mask:

Enable IGMP Snooping

Standard Mode

Blocking Mode

Enable IGMP LAN to LAN Multicast:

(LAN to LAN Multicast is enabled until the first WAN service is connected, regardless of this setting.)

Enable LAN side firewall

Disable DHCP Server

Enable DHCP Server

Start IP Address:

End IP Address:

Leased Time (hours):

Static IP Lease List: (Maximum entries: 32)

MAC Address	IP Address	Remove
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Configure the second IP Address and Subnet Mask for LAN interface