

How to use VLAN function

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How to use VLAN function?

It is suitable for: **N100RE, N150RT, N151RT, N200RE, N210R, N300RT, N300RH, N301RT, N302R Plus, A702R, A850R, A3002RU**

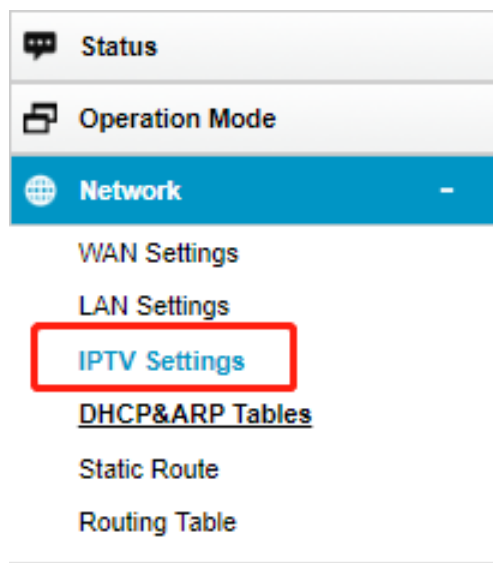
Application introduction: A Virtual Local Area Network (VLAN) is a network technology configured according to a logical scheme rather than the physical layout. Hosts in the same VLAN communicate with each other as if they are in a LAN. However, hosts in different VLANs cannot communicate with each other directly.

STEP-1:

Please login to the web-configuration Interface of the router.

STEP-2:

On the left menu, go to **Network->IPTV Settings**.



STEP-3:

Select Enabled to open up VLAN function. To establish a VLAN, you should make sure they are of the same VID.

As the picture shows, both port1 and port2 are the member port of VLAN 35, it means that port1 and port2 can communicate with each other, port1 and port3 can't communicate with each other.

The filed tag means that the ports only received VLAN tagged packets whose VID is 35 and should transmit with VLAN tagged(VID is 35).

IPTV Settings

IPTV ☐ Disabled ☒ Enabled ☐ Triple Play / IPTV

Enable	Ethernet/Wireless	WAN/LAN	Forwarding Rule	Tag	VID(1~4090)	Priority
<input checked="" type="checkbox"/>	Ethernet Port1	LAN	NAT ▼	<input checked="" type="checkbox"/>	35	0 ▼
<input checked="" type="checkbox"/>	Ethernet Port2	LAN	NAT ▼	<input checked="" type="checkbox"/>	35	0 ▼
<input checked="" type="checkbox"/>	Ethernet Port3	LAN	NAT ▼	<input checked="" type="checkbox"/>	36	0 ▼
<input checked="" type="checkbox"/>	Ethernet Port4	LAN	NAT ▼	<input checked="" type="checkbox"/>	1	0 ▼
<input checked="" type="checkbox"/>	Wireless 5GHz Primary AP	LAN	NAT ▼	<input checked="" type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 5GHz Virtual AP1	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 5GHz Virtual AP2	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 5GHz Virtual AP3	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 5GHz Virtual AP4	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input checked="" type="checkbox"/>	Wireless 2.4GHz Primary AP	LAN	NAT ▼	<input checked="" type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Virtual AP1	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Virtual AP2	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Virtual AP3	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Virtual AP4	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input checked="" type="checkbox"/>	Ethernet Port5	WAN	NAT ▼	<input checked="" type="checkbox"/>	1	0 ▼

Apply Refresh

STEP-3:

If you want to set some ports for IPTV (eg:port4), you should configure port4 as bridge forwarding rule and obtain VID (eg:1500) from your ISP, also you can configure Tag ,Priority and CFI according to your need. And other LAN ports NAT with WAN, the packets from these LAN port should be untagged, and these packets go out to WAN port will tagged with VID=1.

IPTV Settings

IPTV ☐ Disabled ☒ Enabled ☐ Triple Play / IPTV

Enable	Ethernet/Wireless	WAN/LAN	Forwarding Rule	Tag	VID(1~4090)	Priority
<input type="checkbox"/>	Ethernet Port1	LAN	NAT ▼	<input checked="" type="checkbox"/>	35	0 ▼
<input type="checkbox"/>	Ethernet Port2	LAN	NAT ▼	<input checked="" type="checkbox"/>	35	0 ▼
<input type="checkbox"/>	Ethernet Port3	LAN	NAT ▼	<input checked="" type="checkbox"/>	36	0 ▼
<input checked="" type="checkbox"/>	Ethernet Port4	LAN	Bridge ▼	<input checked="" type="checkbox"/>	1500	3 ▼
<input type="checkbox"/>	Wireless 5GHz Primary AP	LAN	NAT ▼	<input checked="" type="checkbox"/>	35	0 ▼
<input type="checkbox"/>	Wireless 5GHz Virtual AP1	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 5GHz Virtual AP2	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 5GHz Virtual AP3	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 5GHz Virtual AP4	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Primary AP	LAN	NAT ▼	<input checked="" type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Virtual AP1	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Virtual AP2	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Virtual AP3	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Wireless 2.4GHz Virtual AP4	LAN	NAT ▼	<input type="checkbox"/>	1	0 ▼
<input type="checkbox"/>	Ethernet Port5	WAN	NAT ▼	<input checked="" type="checkbox"/>	35	0 ▼

Apply

Refresh

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