

How to use VLAN function?

It is suitable for : N100RE, N150RT, N151RT, N200RE, N210R, N300RT, N300RH, N301RT, N302R Plus, A702R, A850, 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).

ipiv Settings													
IPTV	Disabled Enable	Enabled O Triple Play / IPTV											
Enable	Ethernet/Wireless	WAN/LAN	Forwarding Rule	Tag	VID(1~4090)	Priority							
	Ethernet Port1	LAN	NAT 🔻		35	0 🔻							
	Ethernet Port2	LAN	NAT 🔻		35	0 🔻							
	Ethernet Port3	LAN	NAT 🔻		38	0 🔻							
	Ethernet Port4	LAN	NAT 🔻		1	0 🔻							
	Wireless 5GHz Primary AP	LAN	NAT 🔻		1	0 🔻							
	Wireless 5GHz Virtual AP1	LAN	NAT 🔻		1	0 🔻							
	Wireless 5GHz Virtual AP2	LAN	NAT 🔻		1	0 🔻							
	Wireless 5GHz Virtual AP3	LAN	NAT 🔻		1	0 🔻							

	Ethernet Port5	WAN	NAT V]	V	1		0	•	
	Wireless 2.4GHz Virtual AP4	LAN	NAT 🔻]		1		0	Ŧ	
	Wireless 2.4GHz Virtual AP3	LAN	NAT 🔻]		1		0	¥	
	Wireless 2.4GHz Virtual AP2	LAN	NAT 🔻]		1		0	¥	
	Wireless 2.4GHz Virtual AP1	LAN	NAT 🔻]		1	[0	¥	
	Wireless 2.4GHz Primary AP	LAN	NAT T]		1		0	•	
	Wireless 5GHz Virtual AP4	LAN	NAI Y	J		1	L	0	۳.	

STEP-4: System reset

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 Inabled			Triple Play / IPTV									
Enable	Ethernet/Win	eless	WAN/LAN	Forwarding Rule			•	Tag VID(1~4090)			Priority		
	Ethernet Po	ort1	LAN		NAT	۳		1	35		0	•	
	Ethernet P	ort2	LAN		NAT	۳		1	35		0	•	
	Ethernet P	ort3	LAN		NAT	v			36		0	Ŧ	
•	Ethernet Po	ort4	LAN		Bridge	•			1500		3	•	
	Wireless 5GHz P	rimary AP	LAN		NAT	۳		1	35		0	۳	
	Wireless 5GHz V	irtual AP1	LAN		NAT	۳			1		0	•	
	Wireless 5GHz V	irtual AP2	LAN		NAT	۳			1		0	•	
	Wireless 5GHz V	irtual AP3	LAN		NAT	۳			1		0	Ŧ	
	Wireless 5GHz V	irtual AP4	LAN		NAT	۳			1		0	•	
	Wireless 2.4GHz F	Primary AP	LAN		NAT	۳		1	1		0	Ŧ	
	Wireless 2.4GHz	/irtual AP1	LAN		NAT	۳			1		0	•	
	Wireless 2.4GHz \	/irtual AP2	LAN		NAT	۳			1		0	•	
	Wireless 2.4GHz	/irtual AP3	LAN		NAT	۳			1		0	•	
	Wireless 2.4GHz	/irtual AP4	LAN		NAT	۳			1		0	•	
	Ethernet Po	ort5	WAN		NAT	۳		1	35		0	•	

Apply

Refresh