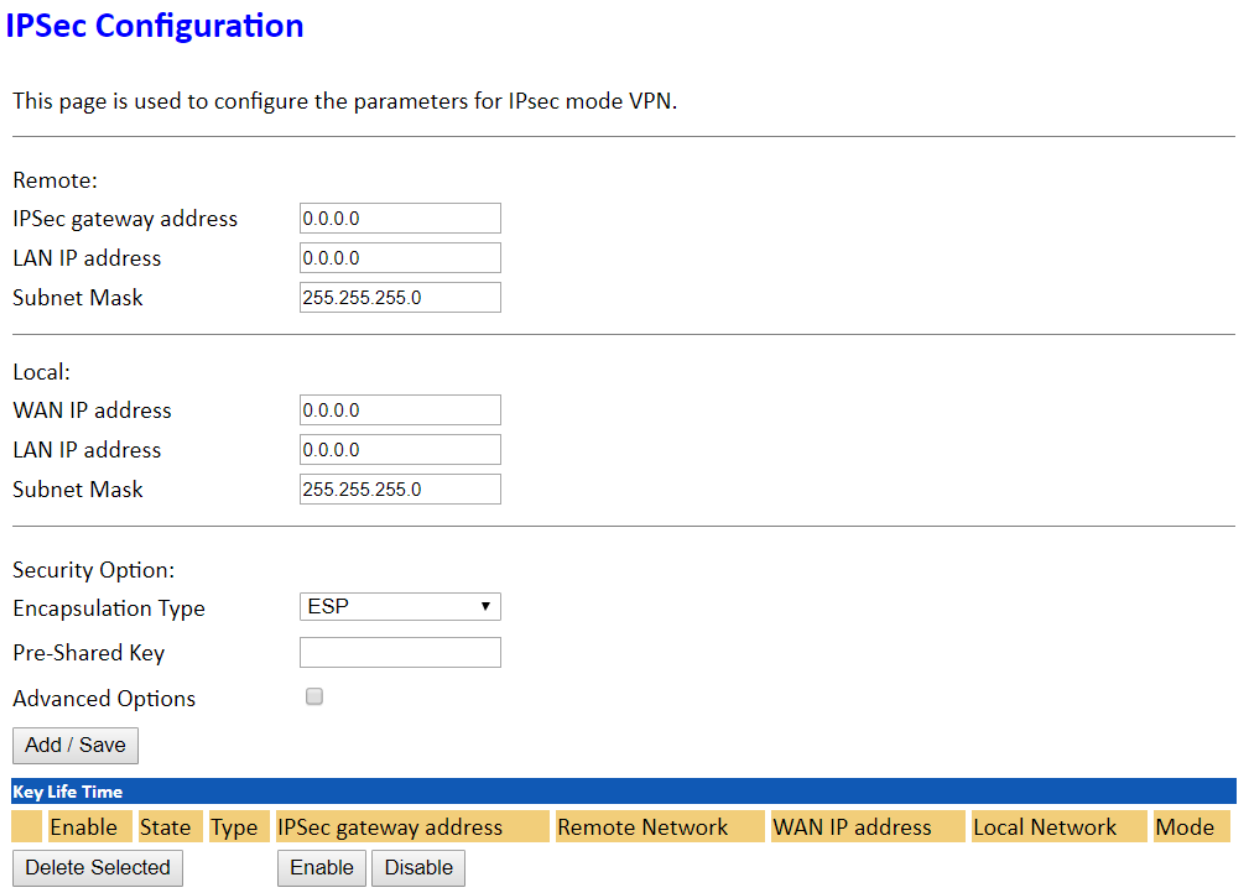
How to use VPN IPsec on TW-EAV510 AC

Note: Please make sure that both LAN side networks are in different subnet.

Setup VPN IPSec Function

Go to **WAN** -> **VPN** -> **IPSec**, IPSec don't need enable/ disable, user can setup directly. Like as below pic.



Remote:

IPSec Gateway address: Enter the remote side WAN IP or domain.

LAN IP address: Enter the remote router LAN IP.

Subnet Mask: Enter the remote network's netmask.

Local:

WAN IP address: Enter the local router WAN IP, not necessary input, system will automatically enter.

LAN IP address: Enter the local router LAN IP, not necessary input, system will automatically enter.

Subnet Mask: Enter the local network's netmask.

Security Option:

Encapsulation Type: Define the encapsulation type for IPSec

Pre-Shared Key: The password will be used for both side authentication.

Advances Options: Make it checked to shows more settings, see below pic.

IKE Phase 1:

Mode: Select the mode for IPSec Phase 1.

Encryption Algorithm: Define the encryption algorithm for Phase 1.

Integrity Algorithm: Define the integrity algorithm for Phase 1.

Select Diffie-Hellman Group for Key Exchange: Define the Diffie_Hellman for Phase 1.

IKE Phase 2:

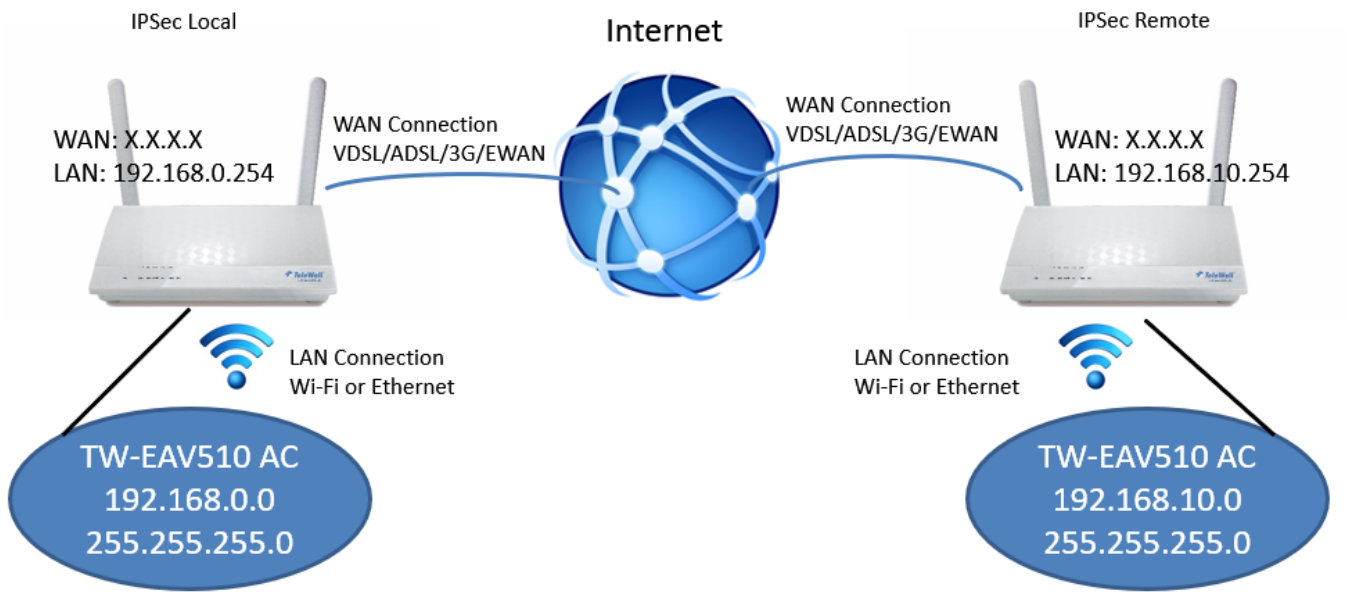
Encryption Algorithm: Define the encryption algorithm for IPSec Phase 2.

Integrity Algorithm: Define the integrity algorithm for Phase 2.

Select Diffie-Hellman Group for Key Exchange: Define the Diffie_Hellman for Phase 2.

Example 1

Both TW-EAV510 AC are enable IPsec function. IPSec is point-to-point, no server and client distinguish.



Remote Side

TW-EAV510 AC

1. Go to **WAN** -> **VPN** -> **IPSec**, in **Remote** part fill in other side WAN IP or domain, router LAN IP, for **Local** part, isn't necessary fill in, because system will automatically enter, input Pre-Shared Key for authenticate, like as below picture.

This page is used to configure the parameters for IPsec mode VPN.

Remote:
IPSec gateway address: 36.229.14.220
LAN IP address: 192.168.0.254
Subnet Mask: 255.255.255.0

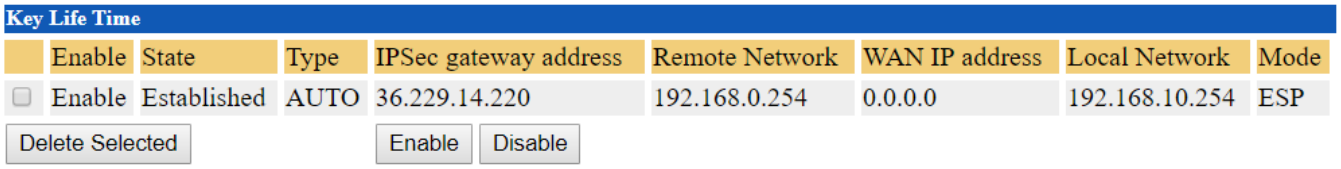
Local:
WAN IP address: 0.0.0.0
LAN IP address: 0.0.0.0
Subnet Mask: 255.255.255.0

Security Option:
Encapsulation Type: ESP
Pre-Shared Key: psk12345678
Advanced Options

Add / Save

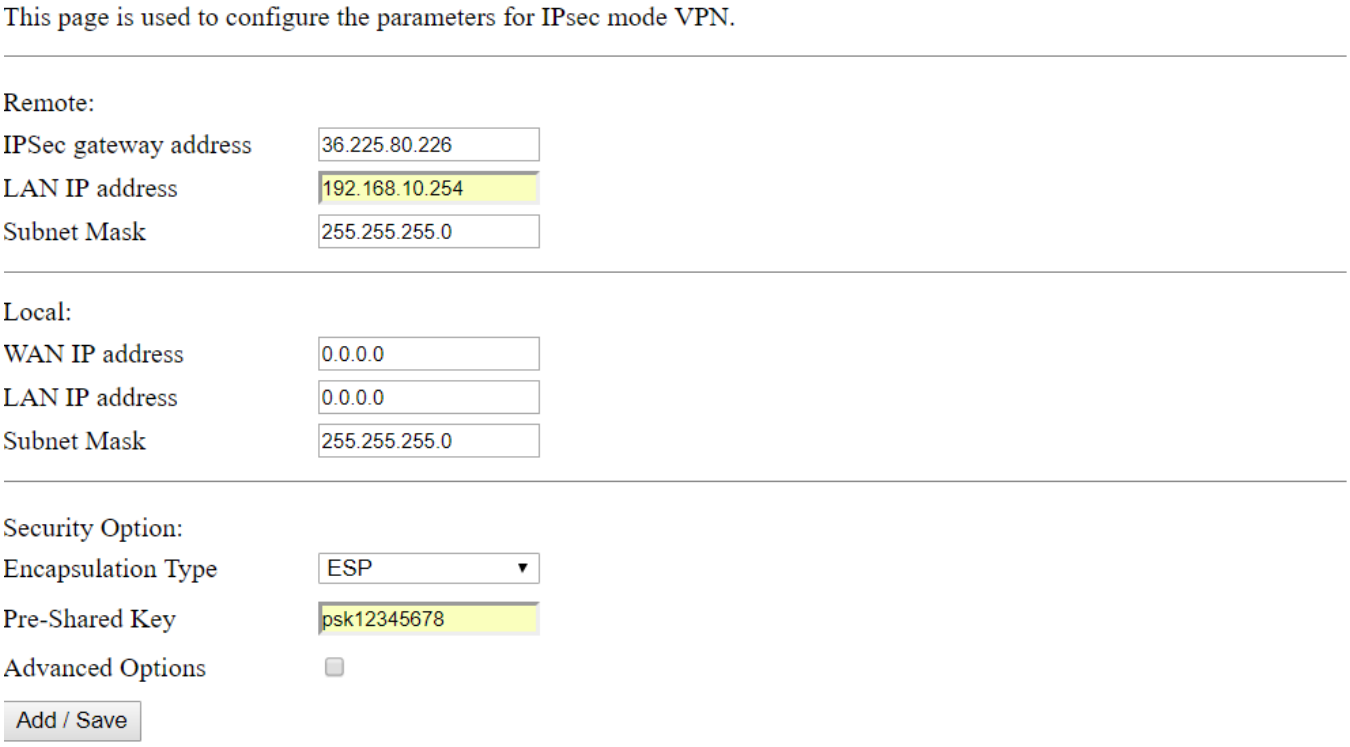
Click **Add/Save** button to save changes.

2. After Add the new config, **Key Life Time** would add one connection, user can disable/enable or delete selected.



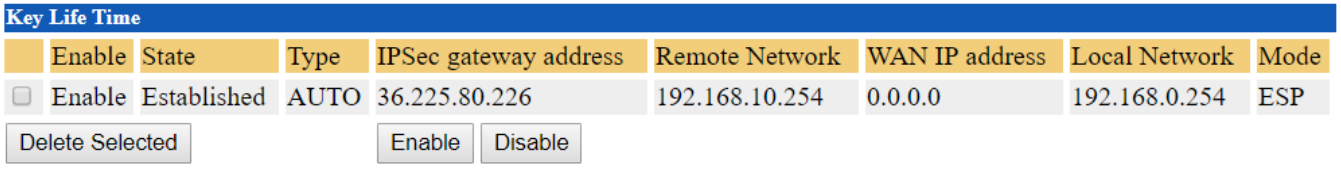
Local Side

1. Go to **WAN** -> **VPN** -> **IPSec**, input other side router WAN IP like as below picture.



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

2. After Add the new config, **Key Life Time** would add one connection, user can disable/enable or delete selected.



3. After both side setup ready, use PC launch CMD, try to ping other side PC, first time should be time out then would ping successfully. Now you can access to remote network.