

## **NV-600A lpsec configuration examples**

## 1. Connection diagram:



# 2. Ipsec configuration procedures:

(1). Connection all device, such as the connection diagram above.

(2). NV-600L config the bridged mode, and NV-600A config the router mode.

(3). Please refer to the following configuration diagram to configure the router mode and ipsec.

(4). Configure NV-600A of Site A:

A. Config router mode: please select LAN settings, and refer to the following screenshot to configure the router mode.

	LAN Settings	
	You can configure LAN settings of C	PE device such as LAN IP Address and DHCP configuration.
	TR Address	10 0 111 1
	IF Address	
	Subnet Mask	255 . 255 . 0
	MAC Address	00 : 05 : 6e : 00 : 22 : 11
	Secondary level subnet Range	
	Secondary lever subnet Kange	
i.	DHCP Mode	Server 💌 1
	DUCD Comment	
	DHCP Server	
	IP Pool Starting Address	10 . 0 . 111 . 2
	IP Pool Ending Address	10 . 0 . 111 . 150
	Lease Time	Halfhour 🔽 3

## LAN setting configuration(Site A)

^		
System ▶	WAN	
Statistics >		
xDSL▶	The CPE device can be connected to your serv	ice provider in any of the following ways
WAN 🕨		
WAN Mode Selection		
Auto Detect Config	Attached Channel	0. ptm0 🔹
WAN Channel Config	WAN TYPE	Static IP Address
VLAN Channel Config		
WAN Setting		
WAN Status		
DNS	IP address assigned by your ISP	192 . 168 . 16 . 180
DDNS	Subnet Mask	255 . 255 . 255 . 0
OAM Configuration	ISP Gateway Address	192 168 16 1
LAN )	20. Salenay nadi ess	
Route >		
Firewall >		
NAT►	Defeult MAAN	
QoS 🕨	Derduit WAN	
Multicast 🕨		Help Apply Cancel
IPsec 🕨		
IPv6 ▶		
Diagnostics 🕨		

WAN setting configuration (Site A)

B. Config IPsec: please select IPsec, and refer to the following screenshot to configure the tunnel mode.

	Modify IPSec Tupp	el Configuration
System P	modify if Sec Tulli	er comgaration
	Tunnel Name	testb
Doute b	AUTH_METHOD	PREFIXED_KEY
Route P	PSK Secret	2 12345678
	IKE Mode	ikev2 💙
QoS	WAN Interface	WANIPO 🗸
Multicast )	My Subnet	10 0 111 0 / 24
IPsec 🕨	Poor Addrose	
Tunnel Mode	Feet Address	3 192 . 100 . 10 . 162
IPv6 ▶	Peer Subnet	192 . 168 . 2 . 0 / 24
Diagnostics 🕨	Enable	4
Quick Setup	IKE Cipher	aes192_cbc 💙
Home	IKE Hash	sha1 💌
Logout	IKE DH Group	modp1536 💌
	IKE PRF	aes_xcbc
	ESP Cipher	aes128_cbc 💌
	ESP Hash	sha1 💌
	Key Lifetime	60 (Minutes)
	Retry	0 (0 means always retry)

IPsec configuration (Site A)

#### Notes:

- 1. Tunnel name: type a name, two sites of tunnel name can different.
- 2. PSK Secret: 12345678, two sites of sercet must the same.User can type their own secret.
- 3. My subnet: Site A ip domain and subet mask.
- 4. Peer Address: Remote tunnel WAN ip address that you want to through.
- 5. Peer Subnet: Remote host ip that you want to through.

(5). Configure NV-600A of Site B: Repeat step 4 to configure site B. A. Config router mode:

	LAN Softings		
System >	LAN Settings		
Statistics			
xDSL▶	You can configure LAN settings of CPE	device such as LAN IP Address and DHCP configuration.	
WAN 🕨			
LAN >			
Route 🕨	IP Address	192 168 2 1 2	
Firewall ►			
NAT 🕨	Subnet Mask	255 . 255 . 255 . 0	
QoS ▶	MAC Address	00 : 05 : 6e : 02 : 00 : 03	
Multicast 🕨	Cocondany Joyol cubnot Dango		- Facilia
IPsec ►	Secondary level sublier Range		Engbie
IPv6 ▶	DHCP Mode	Server 🖌	
Diagnostics 🕨			
	DHCP Server		
Quick Setup	IP Pool Starting Address	192 . 168 . 2 . 2	
Home	IP Pool Ending Address	192 168 2 150 3	
Logout			
	Lease Time	One day	
	Local Domain Name	dslgw.com (optional)	
	IP Address Reservation		
		L.	
	Click Here		
	MICK HOLE		

### LAN setting configuration(Site B)

	976-1 I			
System ▶	WAN			
Statistics >				
xDSL▶	The CPE device can be connected to your ser	vice provider in any of the following ways		
WAN ►				
WAN Mode Selection				
Auto Detect Config	Attached Channel	0. ptm0 💌		
WAN Channel Config	WAN TYPE	Static IP Address 🔍	74	
VLAN Channel Config				
WAN Setting				
WAN Status				
DNS	IP address assigned by your ISP	192 . 168 . 16	182	
DDNS	Subpot Mack	255 255 25	5 0	
OAM Configuration	Subilet Mask	200 , 200 , 20		12
LAN >	ISP Gateway Address	192 . 168 . 16	. 1	
Route ►				-
Firewall ►				
NAT >				
QoS	Default WAN			
Multicast 🕨			Help	Apply Cancel
IPsec ►				
IPv6 ▶				
Diagnostics >				

WAN setting configuration(Site B)

### B. Config IPsec:

		Config	uration	
System P	Add if Sec Turmer	connig	aracion	
Statistics P				
XUSL P	Tunnel Name	1	testb	
		- " L	-	
	AUTH_METHOD		Prefixed Key 🔽	
Route	PSK Secret	21	•••••	12345678
	IKE Mode		ikev2 🗸	
NAT P	WAN Interface			
Multipact			The second secon	
	My Subnet		192 . 168 . 2	. 0 / 24
Turnel Made	Peer Address	31	192 168 16	. 180
IPv6	Peer Subnet		10 . 0 . 11	1 0 / 24
Diagnostics <b>&gt;</b>	Enable	4		
Quick Setup	IKE Cipher		aes192_cbc 💌	
Home	IKE Hash		sha1 😽	
Logout	IKE DH Group		modp1536 🐱	
	IKE PRF		aes_xcbc 💌	
	ESP Cipher		aes128_cbc 💌	
	ESP Hash		sha1 💌	
	Key Lifetime		60	(Minutes)
	Retry		0	(0 means always retry)

IPsec configuration (Site B)

#### Notes:

- 1. Enable lpsec and click apply, such as point 4 of ipsec configuration diagram above.
- 2. Both of two sites IKE Mode need the same.

(6). Ping two PC ip address each other. Site A PC ip address is 10.0.111.2, Site B PC ip address is 192.168.2.2.

CIN C:N	WINDO	)WS\system32\ping	g.exe			- 🗆 🗙
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	-
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=4ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=4ms	TTL=126	
Reply	from	192.168.2.2:	bytes=32	time=3ms	TTL=126	-

## Site A PC ping Stie B PC ip address

C:\W	INDO	WS\system32\pin;	д.еже			
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	
Reply	from	10.0.111.2:	bytes=32	time=3ms	TTL=126	

Site B PC ping Stie A PC ip address