

## L2TPoverIPsec VPN

Win10 access to IR900 via L2TPoverIPsec.

Step 1: Set the IPsec settings:

VPN >> IPsec

Status IPsec Setting IPsec Extern Setting

Enable

### IKEv1 Policy

ID	Encryption	Hash	Diffie-Hellman Group	Lifetime
1	AES256	SHA1	Group14	4000
	AES128	SHA1	Group2	86400

Add

### IKEv2 Policy

ID	Encryption	integrity	Diffie-Hellman Group	Lifetime
1	AES128	SHA1	Group2	3000
	AES128	SHA1	Group2	86400

Add

### IPsec Policy

Name	Encapsulation	Encryption	Authentication	IPsec Mode
ipsecwz1	ESP	NULL	SHA1	Transport Mode
	ESP	AES128	SHA1	Tunnel Mode

Add

VPN >> IPsec

Status IPsec Setting IPsec Extern Setting

### Basic Parameters

Destination Address	0.0.0.0	
Map Interface	cellular 1	
IKE Version	IKEv1	
IKEv1 Policy	1	
IPsec Policy	ipsecwz1	
Negotiation Mode	Main Mode	
Authentication Type	Shared Key	
Local Subnet	0.0.0.0	0.0.0.0
Remote Subnet	0.0.0.0	0.0.0.0

Step 2: Set the L2TP server:

**VPN >> L2TP**

**Status** **L2TP Client** **L2TP Server**

Enable	<input checked="" type="checkbox"/>
Username	<input type="text" value="inhand"/>
Password	<input type="text" value="*****"/>
Authentication Type	<input type="text" value="Auto"/> ▾
Local IP Address	<input type="text" value="172.16.10.1"/>
Client Start IP Address	<input type="text" value="172.16.10.2"/>
Client End IP Address	<input type="text" value="172.16.10.100"/>
Link Detection Interval	<input type="text" value="60"/> s
Max Retries for Link Detection	<input type="text" value="5"/>
Enable MPPE	<input type="checkbox"/>
Enable Tunnel Authentication	<input type="checkbox"/>
Expert Options(Expert Only)	<input type="text"/>

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Step 3: Set win10:

**Edit VPN connection**

VPNtest

Server name or address  
166.139.135.52

VPN type  
L2TP/IPsec with pre-shared key

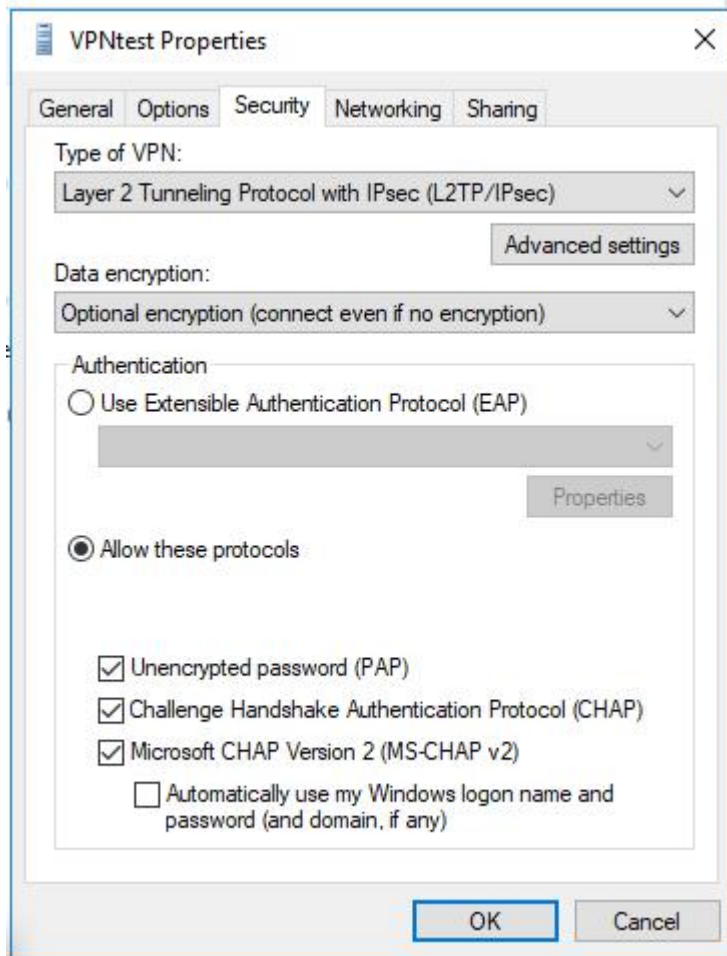
Pre-shared key  
●●●●●●●●●●●●●●●●

Type of sign-in info  
User name and password

User name (optional)  
inhand

Password (optional)  
●●●●●●●●●●

Step 3.1: Change the security option of VPNs



Step 3.2: add DNS, so after the VPN tunnel establish, your laptop can access internet

