

# **Application Guide for OpenVPN via I900**

----User+X.509 Mode, IR900 as Client

# **Configure IR900 as OpenVPN Client**

Attention:

- 1) Before using VPN, please make sure both IR900 can access to internet;
- 2) For OpenVPN client, IR900 can access to internet via cellular or wired network;

#### 1. Configure LAN address

After entering configure web, click "Wizards"→"New LAN": here we use: IR900: 192.168.12.1/24:

inhand	Wi	zards Iew LA	: >> New LAN		
Administration Layer2 Switch Network Link Backup Routing	+ + + +	Inter Prima Netma DHCP	rface ary IP ask Server		vlan 1 ▼ 192.168.12.1 255.255.255.0
Firewall QoS	*	[	Apply & Save	Cancel	
VPN	•				
Industrial	•				
Tools	•		10		
Wi zærds	Ne	w LAI	N N		



# 2. Insert CA

Navigate to "VPN"→"Certificate Management":

inhand		VPN >> Certificate Managemen Certificate Management	t			
Administration	•	Certificate Management				
Network	•	Enable SCEP (Simple Certificate Enrollment				
Link Backup		Protocol) Protect Key				
Firewall	•	Protect Key Confirm				
QoS	+	Revocation				
VPN Industrial		IPsec		Browse	Import CA Certificate	Export CA Certificate
Tools	+	L2TP		Browse	Import CRL	Export CRL
Wizards	• •	OpenVPN				
		Certificate Management		Browse	Import Public Key Certificate	Export Public Key Certificate
		No file selected.		Browse	Import Private Key Certificate	Export Private Key Certificate

Here you can import CA, public key certificate, private key certificate. After you import all those certificate, remember to click "Apply" button.

#### 3. Add OpenVPN Tunnel

Navigate to "VPN"→ "OpenVPN Tunnels". Then click "Add" to add a new tunnel:

inhand	VI	PN >> OpenVI Status Open	PN VPN Client OpenV	PH Server			
Administration	•				0. 100 C		
Layer2 Switch	- F	Enable	lunnel Name	Authentication	UpenVIN Server	Fort	Username
Network	E.					A	dd
Link Backup	- F.						
Routing	•						
Firewall	•						
QoS	•						
VPN	P IP	sec					
Industrial	GF	RE					
Tools	1 L2	ТР					
Wizards	Op	oenVPN					
	Ce Ma	ertificate anagement					



### **Configure as below:**

Protocol: TCP; Port: 443; OpenVPN server: 184.72.97.145 Authentication Type: User+X.509 Cert Username: evolvevpn Password: ckp\$123 Enable LZO: enable

Other parameter	s are as	default.
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	1		
OpenVPN Server	Port	Protocol Type	
184. 72. 97. 145	1194	tep	
	1194	udp	

Authentication Type	x509-cert/Username-password	•
Username	adm	
Password		
Description		
Show Advanced Options		
Source Interface	cellular 1 🔻	
Interface Type	tun 🔻	
Network Type	net30 🔻	
Cipher	Default 🔹	
HMAC	sha1 ▼	
Compression LZO		



# **Connecting Devices, Enabling Services**

Link Detection Timeout	300	s	
MTU	1500	(128-1500)	
Enable Debug			
Expert Configuration	/3	11	

Then click "Save", after a few seconds, you will see the tunnel created.

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