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Internet Security Appliance

RF760VPN RF660VPN RF600VPN

VPN Tunnel Configured for Manual Mode Examples IP Sec Pass-Through in Manual Mode Examples

Reference Guide



RF760VPN / RF660VPN / RF600VPN Tunnel Examples in Manual Mode

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Revision	Date	Description
А	07/02/03	Initial release
В	08/19/03	Added RF560VPN
С	03/19/04	Changed to document the RF760VPN/RF660VPN/RF600VPN only
D	11/17/04 & 01/25/05	Changes for software 3.20 and 3.21

The examples on the following pages illustrate:

- 1. RF760VPN / RF660VPN / RF600VPN connected to another RF760VPN / RF660VPN / RF600VPN through a VPN tunnel configured for Manual Mode.
- 2. RF760VPN / RF660VPN / RF600VPN, behind a NAT box, doing IPSec Pass-Through in Manual Mode to another RF760VPN / RF660VPN / RF600VPN.

The RouteFinder software is pre-installed on the RF760VPN, RF660VPN, and RF600VPN RouteFinders. The RouteFinders use the same software, version 3.21. Initial configuration is required in order for you to run the RouteFinder software and begin operation.

The browser-based interface eases VPN configuration and management. The VPN functionality is based on IPSec and PPTP protocols and uses 168-bit Triple DES encryption to ensure that your information remains private.

IMPORTANT:

Caution: Use a safe Password! Your first name spelled backwards is not a sufficiently safe password; a password such as **xfT35\$4** is better.

Example 1

This example provides a sample RouteFinder configuration and related address scheme for an application employing LAN-to-LAN VPN communication. It shows how to configure an RF660VPN at Site A and an RF660VPN at Site B so that Site A and Site B communicate through a secure connection over the Internet using a VPN tunnel in Manual Mode. This example assumes both VPN gateways have fixed IP addresses.

RF760VPN, RF660VPN or RF600VPN LAN-to-LAN Configuration Diagram:



Example 1 – LAN-to-LAN Configuration Chart

Site A - Static IP Addresses (Input These Parameters	Site B - Static IP Addresses (Input These Parameters
For the RF660VPN in the Home Office).	For the RF660VPN in the Branch Office).
1. Domain name = site-A.com	1. Domain name = site-B.com
2. Public Class C = 204.26.122.x	2. Public Class C = 204.26.122.x
3. Networks & Services > Networks	3. Networks & Services > Networks
LAN: 192.168.2.0 – 255.255.255.0	LAN: 192.168.10.0 - 255.255.255.0
RemoteLAN: 192.168.10.0 – 255.255.255.0	RemoteLAN: 192.168.2.0 - 255.255.255.0
RemoteWAN_IP: 204.26.122.3 – 255.255.255.255	RemoteWAN_IP: 204.26.122.103 - 255.255.255.255
 4. Network Setup > Interface Default gateway = 204.26.122.1 Host name = RF660VPN.site-A.com Eth0 = LAN, 192,168.2.1, 255.255.255.0 Eth1 = WAN, 204.26.122.103, 255.255.255.0 Eth2 = DMZ (don't care) 5. Packet Filters > Packet Filter Rules LAN = Any = Any = Accent 	 4. Network Setup > Interface Default gateway = 204.26.122.1 Host name = RF660VPN.site-B.com Eth0 = LAN, 192.168.10.1, 255.255.255.0 Eth1 = WAN, 204.26.122.3, 255.255.255.0 Eth2 = DMZ (don't care) 5. Packet Filters > Packet Filter Rules LAN = Any = Accept
RemoteLAN – Any – Any – Accept	RemoteLAN – Any – Any – Accept
6. VPN > IPSec	6. VPN > IPSec
Check and Save VPN Status	Check and Save VPN Status
Add a Manual connection:	Add a Manual connection:
Connection name = SiteA	Connection name = SiteB
Authentication Method = ESP3-DES(MD5-96)	Authentication Method = ESP3-DES(MD5-96)
SPI Base = 0x201	SPI Base = 0x201
ESP Encryption Key (must be the same at both sites)	ESP Encryption Key (must be the same at both sites)
Authentication Key (must be the same at both sites)	Authentication Key (must be the same at both sites)
Local WAN IP = WAN	Local WAN IP = WAN
Local LAN = LAN	Local LAN = LAN
Remote Gateway IP = RemoteWAN_IP	Remote Gateway IP = RemoteWAN_IP
Remote LAN = RemoteLAN	Remote LAN = RemoteLAN

For LAN-to-LAN connectivity, the RouteFinders utilize the IPSec protocol to provide up to 100 tunnels with strong 168-bit 3DES encryption using IKE and PSK key management.

In addition, they provide very high performance up to 50Mbps of 3DES encryption throughput.

Example 1 – Address Table

Enter the configuration information (e.g., the Default Gateway and other IP addresses used) into the appropriate field of the Address Table below. Please print this page and use it to fill in your specific RouteFinder information and keep for future reference. (Example information below is shown to match with the diagram pictured above.)

	IP Address	Net Mask	Default Gateway
Network Port connected to the internal			
network (LAN on eth0) Site A.	···		
	192.168.2.1	255.255.255.0	
Network Port connected to the external			
network (WAN on eth1) Site A	··	<u></u>	<u></u>
	204.26.122.103	255.255.255.0	204.26.122.1
Network Port connected to the internal			
network (LAN on eth0) Site B	···		
	192.168.10.1	255.255.255.0	
Network Port connected to the external			
network (WAN on eth1) Site B	···		<u> </u>
	205.26.122.3	255.255.255.0	204.26.122.1

LAN-to-LAN Application – Site A:	LAN-to-LAN Application – Site B:
1. Domain name =	1. Domain name =
2. Public Class C =X	2. Public Class C =X
3. Networks & Services > Networks LAN:0. 255.255.255.0	3. Networks & Services > Networks LAN:0. 255.255.255.0
RemoteLAN:0, 255.255.255.0	RemoteLAN:0, 255.255.255.0
RemoteWAN_IP:, 255.255.255.255	RemoteWAN_IP:, 255.255.255.255
4. Network Setup > Interfaces Default gateway = Host name = Eth0 = LAN,, 255.255.255.0 Eth1 = WAN,, 255.255.255 Eth2 = DMZ (don't care)	4. Network Setup > Interfaces Default gateway = Host name = Eth0 = LAN,, 255.255.255.0 Eth1 = WAN,, 255.255.255 Eth2 = DMZ (don't care)

Example 1 Site A Configuration

- 1. Connect a workstation to the RF660VPN's LAN port via Ethernet for Site A. In this example, the RouteFinder will be referenced as RF660VPN, but the RF760VPN and RF600VPN can be configured in the same way.
- 2. Set the workstation IP address to <u>192.168.2.100</u> subnet.
- 3. Turn on power to the RF660VPN RouteFinder and wait until you hear 5 beeps.
- Bring up your Web browser on the workstation. At the Web browser's address line, type the default Gateway
 address of <u>https://192.168.2.1</u> and press the Enter key. In some environments, one or more Security Alert
 screen(s) display.

Note: Make sure your PC's IP address is in the same network as the router's IP Address. **WINIPCFG** and **IPCONFIG** are tools for finding a computer's default gateway and MAC address. In Windows 98/ME you can type **WINIPCFG**. In Windows 2000/NT, you can type **IPCONFIG**.



At the initial **Security Alert** screen, click **Yes** and follow any additional on-screen prompts. (This step is eliminated when you have generated a CA certificate at **Administration** > **Site Certificate**)

5. The Login screen is displayed. Type the default User name of admin (all lower-case), tab to the Password entry and type the default Password of admin (all lower-case), and click on Login. The User and Password entries are case-sensitive (both must be all lower-case). The password can be up to 12 characters. You will want to change User and Password entries from the default (admin) to something else. (If Windows displays the AutoComplete screen, for security reasons, you may want to click No to tell the Windows OS to not remember the Password.)

User name Password	admin
	Login

6. If someone else is already logged in to the RouteFinder, or you were logged in recently, the message below is displayed.



Click the Yes button. The Login screen displays. Repeat step 5.

7. The Web Management Home screen is displayed.

MultiTech	
Administration Networks & Services Proxy Network Setup DHCP Server	Tracking Packet Filters VPN Statistics & Logs
Home Home >> Home Page	Home Wizard Setup Help Logout
Home Page	
RouteFinder Interne	et Security Appliance
Web Manageme	ent-Version 3.21
ROuteFinder VPN	2205 Woodale Drive Mounds View, MN 55112 United States TEL: (763) 785-3500 or (800) 328-9717 FAX: (763) 785-9874 Tech Support: (800) 972-2439 Web Site: http://www.multitech.com/ FTP Site: ftp://www.multitech.com/ Tech Support: tsupport@multitech.com



8. Click on Administration > System Setup to set the correct zone, date and time for your location.

9. Click on Wizard Setup. Enter information for Site A of this example.

General S	ettings	Modem Setting
Administrator Mail Addres Hostname LAN Settine LAN IP Address Subnet Mask	admin@yourdomain.com RF660VPN.site-A.com	PPP dial backup
WAN IP Addres:	ings	Password Setting
 Static IP Address PPPoE DHCP Client 		Confirm root Password Webadmin Password
WAN IP Addres: Subnet Mask Gateway DNS IP Address	204.26.122.103 255.255.255.0 204.26.122.1	Confirm Webadmin Password SSH admin Password Confirm SSH admin Password
Packet Filter rule Image: Distribution Packet Filter rule Image: Distribution Image: Distribution		Cancel

- a) Enter the Administrator Email Address (can be anything). (Example: admin@yourdomain.com)
- b) Enter the **Host name** for the RouteFinder (can be anything). (Example: RF660VPN.Site-A.com)
- c) LAN IP Address and Subnet Mask are set at the defaults. This should be acceptable for Site A.
- d) Enter the WAN IP Address. This is the PUBLIC STATIC IP address. (Example: 204.26.122.103)
- e) Change the **Gateway** IP address; this is the IP address of the router that connects to the Internet. (Example: 204.26.122.1)
- f) Place a checkmark in the Packet Filter Rule: LAN-ANY-ANY-ALLOW box. This enables the rule.
- g) Specify any changes to the passwords that you feel are necessary.
- h) Click Save to save the settings you just entered.
- i) The following screen displays prompting you to save your changes. Click OK.

	×
Click OK to save the changes. Please be patient, Wizard setup will take a few minutes to implement the changes. Do not close the Browser.	
OK	
Warning: Applet Window	

j) The following screen displays. Saving your settings will take several minutes. Since you kept the LAN IP address the same, it is not necessary to change this system to a new IP address.

Please do not close the browser. Server is saving the values.

After few minutes you will be redirected to the new IP address.

If you are not redirected,

change the address in the location bar to 192.168.2.1.

- 10. Click on Networks & Services > Network. The LAN IP network should already be defined. This is the private LAN on eth0 at Site A (not shown in this example).
 - a) Define the IP network that is configured on the remote LAN port (the private LAN on eth0 at Site B) by entering the following information. After this information is entered, it is added to the Network/Host list on this screen.

```
For example:
             Name = RemoteLAN
             IP address = 192.168.10.0
             Subnet mask = 255.255.255.0
```

b) Define the IP address that is configured on the remote **WAN port** (the public WAN on **eth1** at Site B) by entering the following information. After this information is entered, it is added to the Network/Host list on this screen. Name = RemoteWAN IP

For example:

IP address = 204.26.122.3 Subnet mask = 255.255.255.255

After this information is entered, it displays at the bottom of the screen.

Administration Networks & S	<u>Services</u> Proxy Netwo	rk Setup DHCP Server	Tracking Packet Filters	VPN Statistics & Logs
Networks & Services			Home Wiza	rd Setup Help Logout
Network Services	Add New Network/	s >> Network Host Add		
Network Groups	Name	IP Address	Subnet Mask	Options
Service Groups	Any	0.0.0	0.0.0.0	Static
	LAN	192.168.2.0	255.255.255.0	Static
	WANInterface	192.168.100.1	255.255.255.255	Static
	DMZ	192.168.3.0	255.255.255.0	Static
	RemoteLAN RemoteWAN_IP	192.168.10.0 204.26.122.3	255.255.255.0 255.255.255.255	

11. Click on Packet Filters > Packet Filters Rules.

The rule for LAN should already be present. Add the rule RemoteLAN – Any – Any – ACCEPT. This allows the Remote LAN at Site B to access the RouteFinder and LAN at Site A. After the rule is entered, it displays under User Defined Packet Filter Rules.

Administration Networks & Services Proxy Network Setup DHCP Server Tracking Packet Filters VPN Statistics & Log Packet Filters Home Wizard Setup Help Logot Packet Filter Rules Packet Filter Rules Show Packet Filter Rules ICMP Advanced Show Packet Filter Rules in Packet Filter Rules				
Packet Filters Home Wizard Setup Help Logor Packet Filter Rules ICMP Show Packet Filter Rules Item Item Advanced Chem Dasket Filter Dulas in Dasun Mindow Show Show				
ICMP Show Packet Filter Rules Advanced Chow Dasket Filter Rules in Danua Mindow				
Advanced Chow Deplet Filter Pulse in Deputy Mindow				
Enable/Disable Log				
System Defined Rules				
Status From Service Group To Action Remarks				
☑ LAN/DMZ default_outbound WANInterface ACCEPT Allow Outbound Acces				
Add User Defined Packet Filter Rules From Service/ To Action (Host/Networks) Service Group (Host/Networks) Action Any Any Any Accept Add No. (Host/Networks) Service/ To Service (Host/Networks) Action Command Group (Host/Networks) Action Command				

12. Click on VPN > IPSec.

MultiTech							· · · · · · · · · · · · · · · · · · ·
Administration Networks & S	ervices	Proxy Networ	k Setup DHCI	9 Server Tracl	king Packet Fi	lters <u>VPN</u> S	tatistics & Logs
¥₽N	VINUSS	IDEac			Home	Wizard Setup	Help Logout
IPSec	VPN 22	IFSEL					
X.509 Certificates	IPSec			natororororororor			
IPSec Bridging	VPN St	atus				Sa	ive
ppip	IKE Debugging				Save		ve
	IPSec Debugging					Sa	ve
	Add Ne	w Connection					
	Add IK	E Connection				A	dd
	Add Ma	anual Connect	tion			А	dd
	Status	Connection Name	Local WAN IP	Local LAN	Remote Gateway IP	Remote LAN	Command

- a) Enable VPN Status by placing a check mark in the box and clicking on Save.
- b) Leave IKE-Debugging disabled by not placing a check mark in the box.
- c) Leave IPSec Debugging disabled by not placing a check mark in the box.
- d) Click on Add a manual connection to enter a new IPSec connection.

The Add a Manual Connection screen displays.

VPN >> IPSec	nome wzaru setup neip Logout
Add Manual Connection	
Connection name	
Compression	
Authentication Method	AH (MD5-96)
SPI Base	
АН Кеу	
Local WAN IP	WAN
Local LAN	LAN
Remote Gateway IP	×
FQDN	OR
Remote LAN	LAN
NetBIOS Broadcast	Save

a) Connection name

Enter a text name that will identify the connection for you.

b) Compression

Check the compression checkbox to enable IPCOMP, the compression algorithm.

c) Authentication Method

Set to **ESP 3 DES(MD5-96)** for this example. This is the encryption and authentication algorithms to be used for the respective security services.

- d) SPI Base Set to 0x201 for this
 - Set to **0x201** for this example.
- e) AH Encryption Key
- Set so that it matches at the other VPN. f) Local WAN IP

Set to **WAN** for this example. This selects the Interface that will initiate the IPSec tunnel.

g) Local LAN

Set to LAN for this example. This is the local security gateway for which the security services are to be provided.

h) Remote Gateway IP or FQDN

Set to **RemoteWAN_IP** for this example. This is the interface in which the IPSec tunnel ends.

i) Remote LAN

Set to **RemoteLAN** for this example. This is the remote security gateway for which the security services are to be provided.

j) Save

Click to Save the settings.

The new manual configuration displays at the bottom of this screen.

Multi Tech						
odministration Networks & S	ervices Proxy Network		Samuel Track	ing Dacket Fil		tatistics & Logs
	ervices Froxy Recoord	Setup Differ		Home	Wizard Setun	Help Logout
VPN	VPN >> IPSec					
IPSec						
X.509 Certificates	IPSec	101010101010101111000101		1010101010101010101		
IPSec Bridging VPN Status					Sa	ive
рртр	IKE Debugging				Sa	ive
	IPSec Debugging				Sa	ive
	Add New Connection					
Add IKE Connection Add						dd
	Add Manual Connection Add					
	Status Connection Name	Local WAN IP	Local LAN	Remote Gateway IP	Remote LAN	Command
manual configuration:	Image: Man ≤ M	WAN	ian Rei	motevvAN_IP	' RemotelA	N Eait/Delete

This completes the configuration of the RF660VPN at Site A. Now, go to the RF660VPN at Site B and access the LAN port from a workstation as done for Site A.

Example 1 Site B Configuration

Site B Configuration

Follow the same basic procedures as used for Site A. Note that some parameters are different for Site B. For detail related to each step, see Site A procedures.

- Step 1 Connect a workstation to the RF660VPN's LAN port via Ethernet for Site B.
- Step 2 Use the same IP Address as used for Site A (Set the workstation IP address to 192.168.10.1 subnet).
- Step 3 Turn on the power.
- Step 4 Bring up your Web browser on the workstation. At the Web browser address line, type the default Gateway address: <u>https://192.168.10.1</u> and press Enter.
- Step 5 Follow the Site A User Name and Password login instructions.
- Step 6 If someone else is already logged in to the RouteFinder, or if you were logged in recently, a message will ask you: Do you want to log the user out? Click the Yes Button. The Login screen displays. Repeat step 5.
- Step 7 The Web Management Home screen displays.
- Step 8 Click on Administration > System Setup to set the correct zone, date, and time for your location.
- Step 9 Click on Wizard Setup. Enter information for Site B of this example.
 - a) Enter the Administrator Email Address (can be anything). (Example: <u>admin@yourdomain.com</u>)
 - b) Enter the **Host name** for the RouteFinder (can be anything). (Example: RF660VPN.Site-B.com)
 - c) LAN IP Address and Subnet Mask are set at the defaults. This should be acceptable for Site A.
 - d) Enter the WAN IP Address. This is the PUBLIC STATIC IP address. (Example: 204.26.122.3)
 - e) Change the **Gateway** IP address; this is the IP address of the router that connects to the Internet. (Example: 204.26.122.1)
 - f) Place a checkmark in the Packet Filter Rule: LAN-ANY-ANY-ALLOW box. This enables the rule.
 - g) Specify any changes to the passwords that you feel are necessary.
 - h) Click Save to save the settings you just entered.
 - i) A screen displays prompting you to save your changes. Click OK.
 - j) Another screen displays to tell you not to close your browser while the settings are being saved.

Step 10 – Click on Networks & Services > Network.

Define the IP network configured on the remote **LAN port** (the private LAN on **eth0** at Site B) by entering the following information.

For example Name = RemoteLAN IP address = 192.168.2.0 Subnet mask = 255.255.255.0

Define the IP address that is configured on the remote **WAN port** (the public WAN on **eth1** at Site B) by entering the following information.

For example Name = RemoteWAN_IP IP address = 204.26.122.103 Subnet mask = 255.255.255.255

Step 11 – Click on Packet Filters > Packet Filter Rules. The rule for LAN is already defined. Add the rule RemoteLAN – Any – Any – ACCEPT. This allows the Remote LAN at Site B to access the RouteFinder and LAN at Site A.

Step 12 – Click on VPN > IPSec.

Use the same settings as used for Site A, and add a manual connection using the same settings as used for Site A.

This completes the configuration of the RF660VPN at Site B for Example 1.

Testing Your Configuration for Example 1

You can test your connection between the two RouteFinders using the PING command at a DOS prompt.

Testing the Workstation at Site A

At the Site A workstation connected to LAN port of RF660VPN:

a) At the DOS prompt ping a workstation connected to the LAN port of the RF660VPN at Site B.

Example: Ping 192.168.10.100 <return>

You should see four successful packet transmit/receive statements. If you do not, try several more times. You may see several initial failures while the two RF660VPNs make a secure connection.

b) If this fails, try to ping the WAN port of the RF660VPN at Site B.

Example: Ping 204.26.122.3

You should see four successful packet transmit/receive statements. If you do not, try several more times. You may see several initial failures while the two RF660VPNs make a secure connection.

c) If this fails, try to ping the WAN port of the RF660VPN at Site A.

Example: Ping 204.26.122.103

Note: If any of these tests fail then verify that the workstation is connected to the LAN port of the RF660VPN. The LAN port LINK LED should be on and the ACT LED should blink on each time you ping the RF660VPN. Also verify that the RF660VPN is configured properly.

C:≻>ping 192.168.10.100
Pinging 192.168.10.100 with 32 bytes of data:
Reply from 192.168.10.100: bytes=32 time<10ms TTL=128 Reply from 192.168.10.100: bytes=32 time<10ms TTL=128 Reply from 192.168.10.100: bytes=32 time=1ms TTL=128 Reply from 192.168.10.100: bytes=32 time<10ms TTL=128
Ping statistics for 192.168.10.100: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:∖>ping 204.26.122.3
Pinging 204.26.122.3 with 32 bytes of data:
Reply from 204.26.122.3: bytes=32 time=2ms TTL=254 Reply from 204.26.122.3: bytes=32 time=1ms TTL=254 Reply from 204.26.122.3: bytes=32 time=1ms TTL=254 Reply from 204.26.122.3: bytes=32 time=1ms TTL=254
Ping statistics for 204.26.122.3: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approx.imate round trip times in milli-seconds: Minimum = 1ms, Maximum = 2ms, Average = 1ms

Testing the Workstation at Site B:

At the Site B workstation connected to LAN port of RF660VPN:

- a) At the DOS prompt ping a workstation connected to the LAN port of the RF660VPN at Site A.
 - Example: Ping 192.168.2.100 <return>

You should see four successful packet transmit/receive statements. If you do not, try several more times. You may see several initial failures while the two RF660VPNs make a secure connection.

b) If this fails, try to ping the WAN port of the RF660VPN at Site A.

Example: Ping 204.26.122.103

You should see four successful packet transmit/receive statements. If you do not, try several more times. You may see several initial failures while the two RF660VPNs make a secure connection.

c) If this fails, try to ping the WAN port of the RF660VPN at Site B.

Example: Ping 204.26.122.3

Note: If any of these tests fail then verify that the workstation is connected to the LAN port of the RF660VPN. The LAN port LINK LED should be on and the ACT LED should blink on each time you ping the RF660VPN. Also verify that the RF660VPN is configured properly.

C:\>ping 192.168.2.100 Pinging 192.168.2.100 with 32 bytes of data: loss), oximate Minimum г П 2ms C:\>ping 204.26.122.103 Pinging 204.26.122.103 with 32 bytes of data: 103 loss). ADD oximate ro Minimum = 10 1ms C:丶>ping 204.26.122.3 Pinging 204.26.122.3 with 32 bytes of data: loss). 1 ms

Example 2

This example provides a sample RouteFinder configuration and related address scheme for an application employing LAN-to-LAN IPSec Pass-Through communication in Manual Mode. This example shows how to configure an RF760VPN, RF660VPN or RF600VPN at Site A and an RF760VPN, RF660VPN or RF600VPN behind a NAT box at Site B, so that Site A and B can communicate through a secure connection over the Internet using IPSec Pass-Through in Manual Mode.

Two RF660VPN/RF600VPN connected through a NAT Box using IPSec Pass-Through in Manual Mode



Example 2 – LAN-to-LAN Configuration Chart

For LAN-to-LAN connectivity, the RF760VPN, RF660VPN and RF600VPN RouteFinders utilize the IPSec protocol to provide up to 100 tunnels (RF760VPN) with strong 168-bit 3DES encryption using IKE and PSK key management. In addition, the RF760VPN, RF660VPN and RF600VPN provide high performance with up to 50Mbps (RF760VPN) of 3DES encryption throughput.

Site A - Static IP Addresses (Input These Parameters For the RF660VPN in the Home Office).	Site B - Static IP Addresses (Input These Parameters For the RF660VPN in the Branch Office
1. Domain name = site-A.com	1. Domain name = site-B.com
2. Public Class C = 204.26.122.x	2. Public Class C = 204.26.122.x
Networks & Services > Networks	Networks & Services > Networks
LAN: 192.168.2.0 – 255.255.255.0	LAN: 192.168.10.0 – 255.255.255.0
RemoteLAN: 192.168.10.0 – 255.255.255.0	RemoteLAN: 192.168.2.0 – 255.255.255.0
RemoteWAN_IP: 204.26.122.3 – 255.255.255.255	RemoteWAN_IP: 204.26.122.103 –255.255.255.255
4. Network Setup > Interface	4. Network Setup > Interface
Default gateway = 204.26.122.1	Default gateway = 192.168.0.1
Host name = RF660VPN.site-A.com	Host name = RF660VPN.site-B.com
Eth0 = LAN, 192,168.2.1, 255.255.255.0	Eth0 = LAN, 192.168.10.1, 255.255.255.0
Eth1 = WAN, 204.26.122.103, 255.255.255.0	Eth1 = WAN, 192.168.0.2, 255.255.255.0
Eth2 = DMZ (don't care)	Eth2 = DMZ (don't care)
Packet Filters > Packet Filter Rules	Packet Filters > Packet Filter Rules
LAN – Any – Any – Accept	LAN – Any – Any – Accept
RemoteLAN – Any – Any – Accept	RemoteLAN – Any – Any – Accept
6. VPN > IPSec	6. VPN > IPSec
Check and Save VPN Status	Check and Save VPN Status
Add a Manual connection:	Add a Manual connection:
Connection name = SiteA	Connection name = SiteB
Authentication Method = ESP3-DES(MD5-96)	Authentication Method = ESP3-DES(MD5-96)
SPI Base = 0x201	SPI Base = 0x201
ESP Encryption Key (must be the same at both sites)	ESP Encryption Key (must be the same at both sites)
Authentication Key (must be the same at both sites)	Authentication Key (must be the same at both sites)
Local WAN IP = WAN	Local WAN IP = WAN
Local LAN = LAN	Local LAN = LAN
Remote Gateway IP = RemoteWAN_IP	Remote Gateway IP = RemoteWAN_IP
Remote LAN = RemoteLAN	Remote LAN = RemoteLAN

Site A Configuration To configure the RF760VPN/RF660VPN/RF600VPN at Site A, follow the same procedure as in Example 1 – Site A.

Site B Configuration NAT Box Configuration at Site B.

Configure the RF760VPN/RF660VPN/RF600VPN at Site B following the procedure in Example 1– Site B, but use the **Wizard Setup** to change the **WAN IP Address** to 192.168.0.2 and the **Gateway** to 192.168.0.1.

Configure the NAT box for an IPSec Pass-Through by specifying the IP address and subnet mask assigned by the ISP for Site B (Ex: 204.26.122.3). Then specify the ISP Gateway Address (Ex: 204.26.122.103).

General Set	tings	Modem Settings
Administrator Mail Address Hostname	jmeyer@multitech.com RF600VPN.site-B.com	PPP dial backup
LAN Settings	192.168.10.1	
Subnet Mask	255.255.255.0	
WAN Settir	ngs	Password Settings
WAN IP Address		
Static IP Address		root Password
C PPPoE		Confirm root Password
O DHCP Client		Webadmin Password
WAN IP Address	192.168.0.2	Confirm Webadmin Password
Subnet Mask	255.255.255.0	SSH admin Password
Gateway	192.168.0.1	Confirm SSH admin Password
DNS IP Address	204.147.80.1	
		Save
Packet Filter rule		
LAN ANY ANY	ACCEPT	Cancel