

PPTP client information

Type: Windows 2000/XP PPTP client

IP: 192.168.10.107(issued by the broadband router)

Gateway IP: 192.168.10.1(IP of the broadband router)

WAN IP of the broadband router: 218.167.16.222

PS. The broadband is capable of PPTP pass thru

PPTP server information

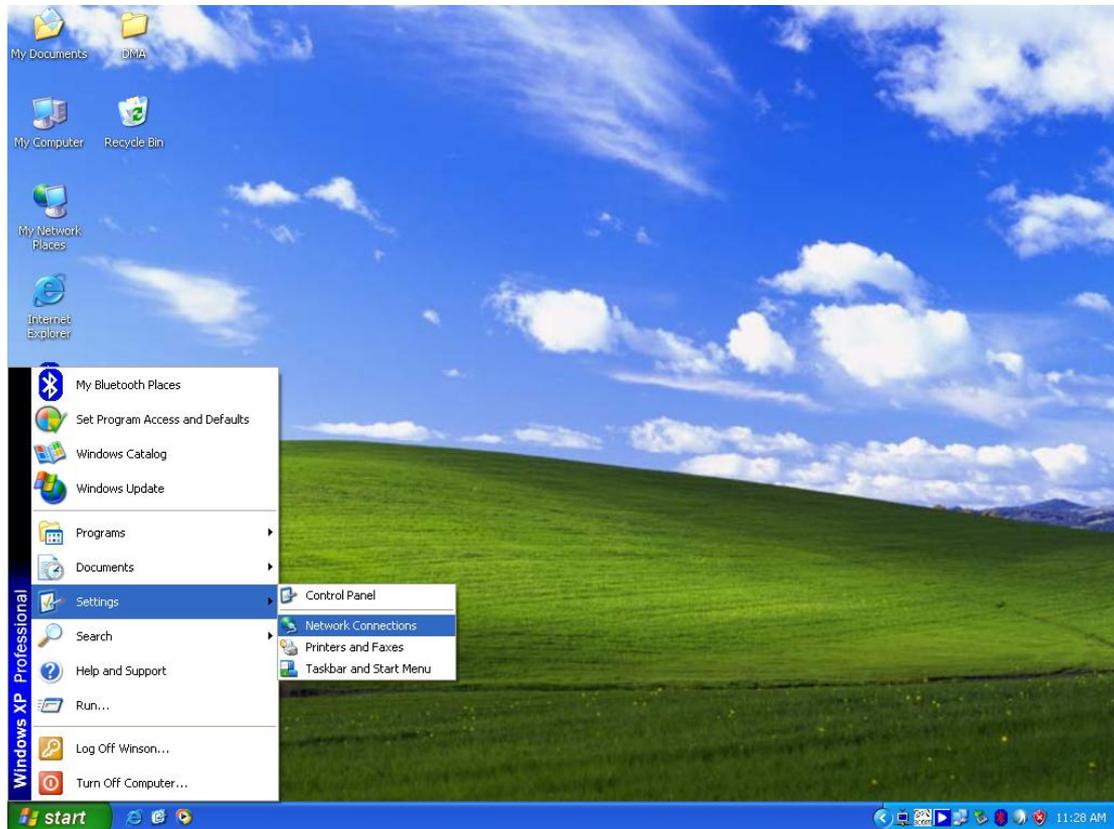
Type: FBR-1411TX PPTP server

IP: 218.167.13.93

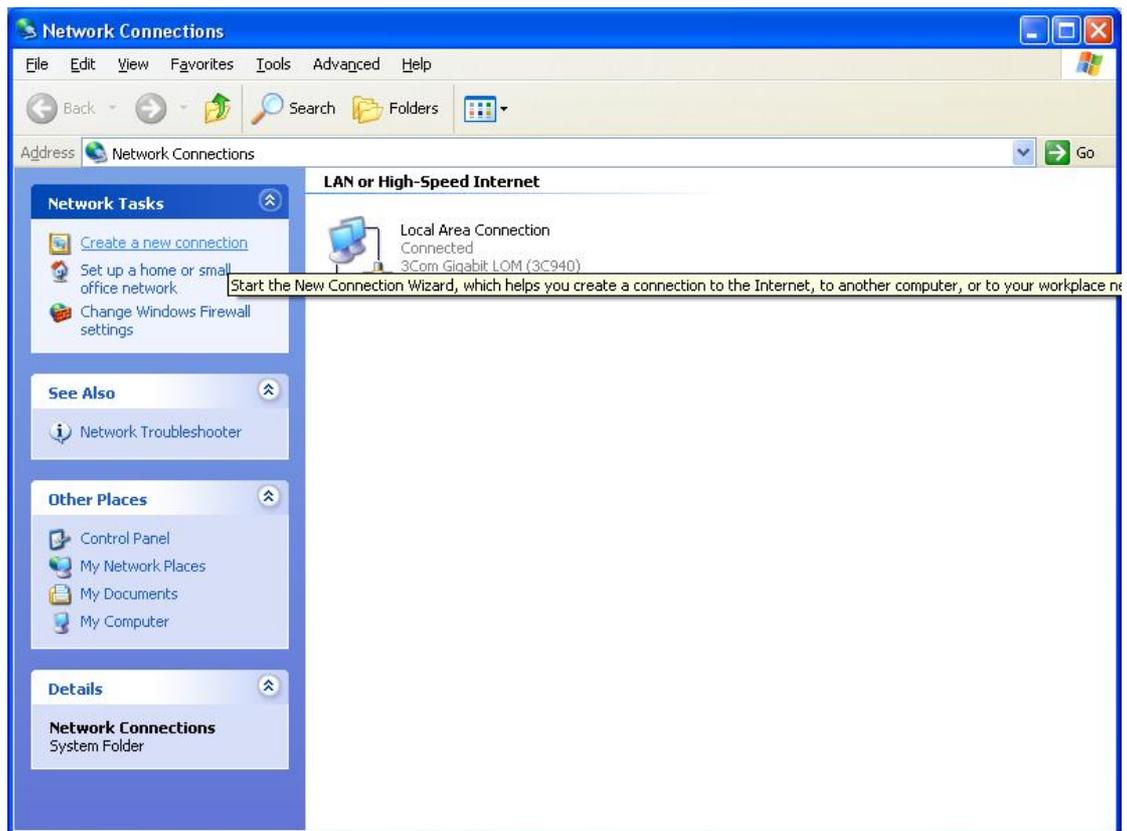
Test Firmware version: R1.00c3v

Win2000/XP PPTP VPN client setting:

(1) Network connections setting



(2) Network connections page



(3) Create a new connection by wizard



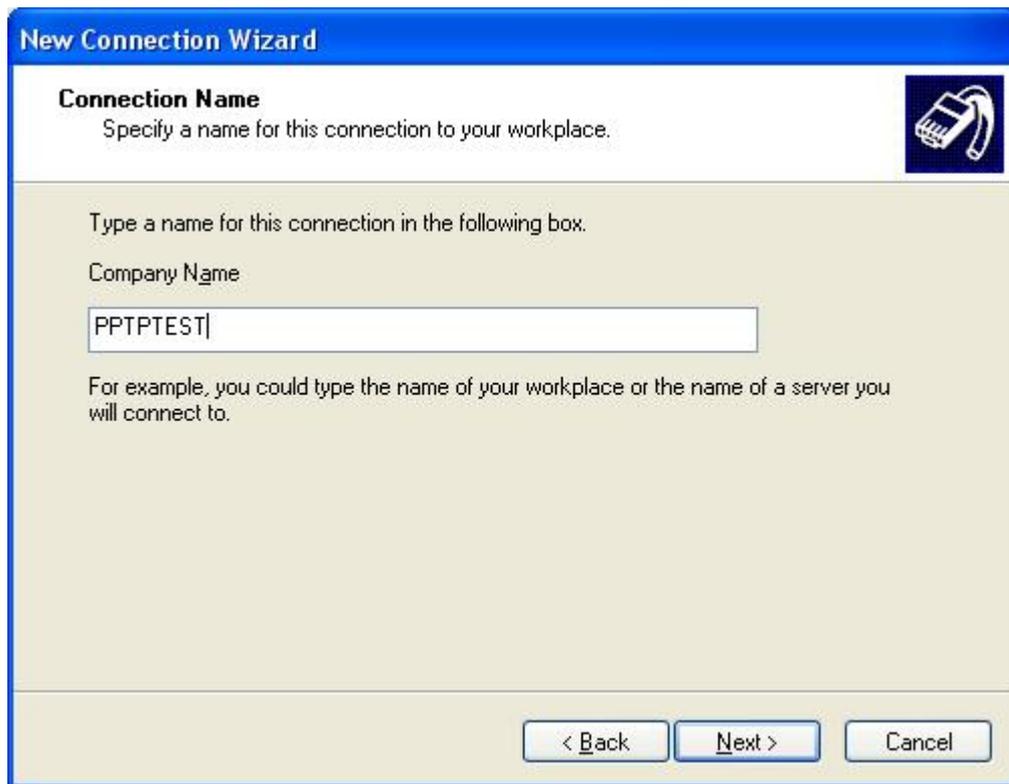
(4) Selecting “Connect to the network at my workplace” then go next



(5) Selecting “Virtual Private Network connection” then go next



(6) Having a name for this connection then go next



New Connection Wizard

Connection Name
Specify a name for this connection to your workplace.

Type a name for this connection in the following box.

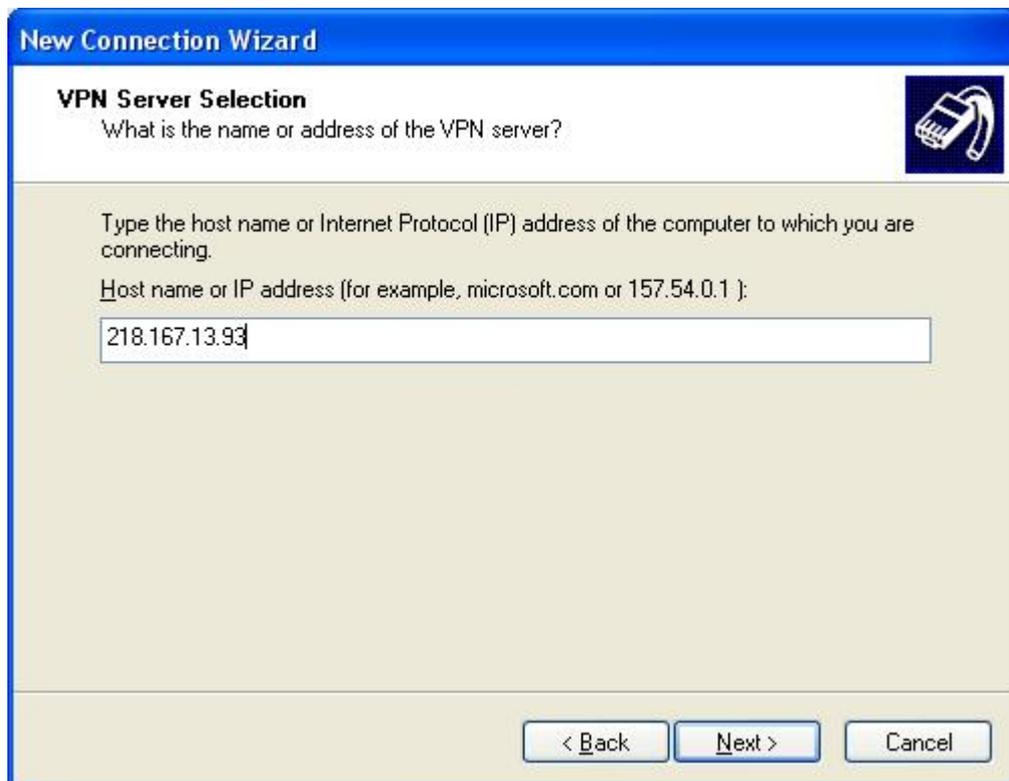
Company Name

PPTPTEST

For example, you could type the name of your workplace or the name of a server you will connect to.

< Back Next > Cancel

(7) Inputting the PPTP VPN server's IP you are going to connect with



New Connection Wizard

VPN Server Selection
What is the name or address of the VPN server?

Type the host name or Internet Protocol (IP) address of the computer to which you are connecting.

Host name or IP address (for example, microsoft.com or 157.54.0.1):

218.167.13.93

< Back Next > Cancel

(8) Finish



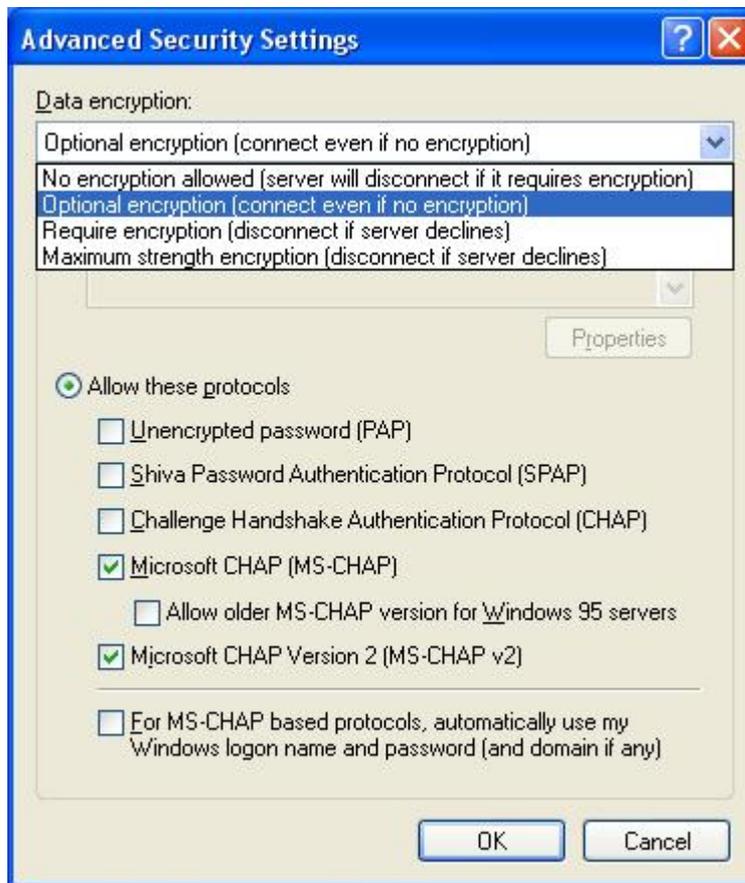
(9) Clicking the properties button of this connection



(10) Selecting security tab and go into advanced setting



(11) Setting the data encryption to be “Optional encryption (connect even if no encryption)” then click OK button



FBR-1411TX PPTP VPN server setting:

(1) System status of FBR-1411TX

The screenshot displays the web console interface for the FBR-1411TX Broadband NAT Router. The browser window title is "FBR-1411TX Broadband NAT Router Web-Console - Microsoft Internet Explorer". The address bar shows "http://192.168.123.254/". The page header includes the "level one" logo and the text "BroadbandRouter Configuration". Navigation links include "Status", "Wizard", "Basic Setting", "Forwarding Rules", "Security Setting", "Advanced Setting", "Toolbox", and "Logout".

The "Status" section is active, showing "System Status". It features a table with WAN configuration details and a "Statistics of WAN" table. The current time is displayed as "Wednesday, November 24, 2004 11:52:43 AM".

Item	WAN Status	Sidenote
IP Address	218.167.13.93	
Subnet Mask	255.255.255.255	
Gateway	218.167.0.254	
Domain Name Server	168.95.192.1, 168.95.1.1	
Connection Time	00:27:51	<input type="button" value="Disconnect"/>

Statistics of WAN	Inbound	Outbound
Objects	333426	316877
Unicast Packets	1371	1324
Non-unicast Packets	0	0
Drops	0	0
Error	0	0

View Log... Clients List... Refresh Display time: Wed Nov 24 11:52:42 2004

(2) Setting virtual IP for PPTP server, IP range, user name, password and authentication protocol then enable VPN-PPTP

The screenshot shows a web-based configuration interface for PPTP. On the left is a sidebar menu under 'Security Setting' with options like Packet Filters, Domain Filters, URL Blocking, MAC Address Control, VPN-IPSEC, VPN-L2TP Client, VPN-L2TP Server, VPN-PPTP Client, VPN-PPTP Server, and Miscellaneous. The main area is titled 'PPTP' and has a sub-section 'VPN-PPTP' with an 'Enable' checkbox checked. Below that is 'PPTP Server Server Configuration' with fields for 'Server virtual IP' (192.168.38.1) and 'IP range' (192.168.38.10 ~ 20). Under 'Authentication Protocol', checkboxes for PAP, CHAP, MS_CHAP, and MS_CHAPv2 are all checked. A 'User Account' table is shown with 5 rows; the first row contains 'test' and '1234'. A 'Current Time' stamp at the bottom left reads 'Wednesday, November 24, 2004 11:53:41 AM'.

Security Setting

- ▶ Packet Filters
- ▶ Domain Filters
- ▶ URL Blocking
- ▶ MAC Address Control
- ▶ VPN-IPSEC
- ▶ VPN-L2TP Client
- ▶ VPN-L2TP Server
- ▶ VPN-PPTP Client
- ▶ VPN-PPTP Server
- ▶ Miscellaneous

PPTP

▶ VPN-PPTP Enable

PPTP Server

Server Configuration

Server virtual IP : 192.168.38.1

IP range : 192.168.38.10 ~ 20

Authentication Protocol :

PAP CHAP MS_CHAP MS_CHAPv2

User Account

ID	User Name	Password
1	test	1234
2		
3		
4		
5		

Current Time
Wednesday, November 24,
2004 11:53:41 AM

Testing

(1) Win2000/XP PPTP client enables the PPTP connection then inputting same user name and password as PPTP server set for establishing PPTP VPN tunnel.



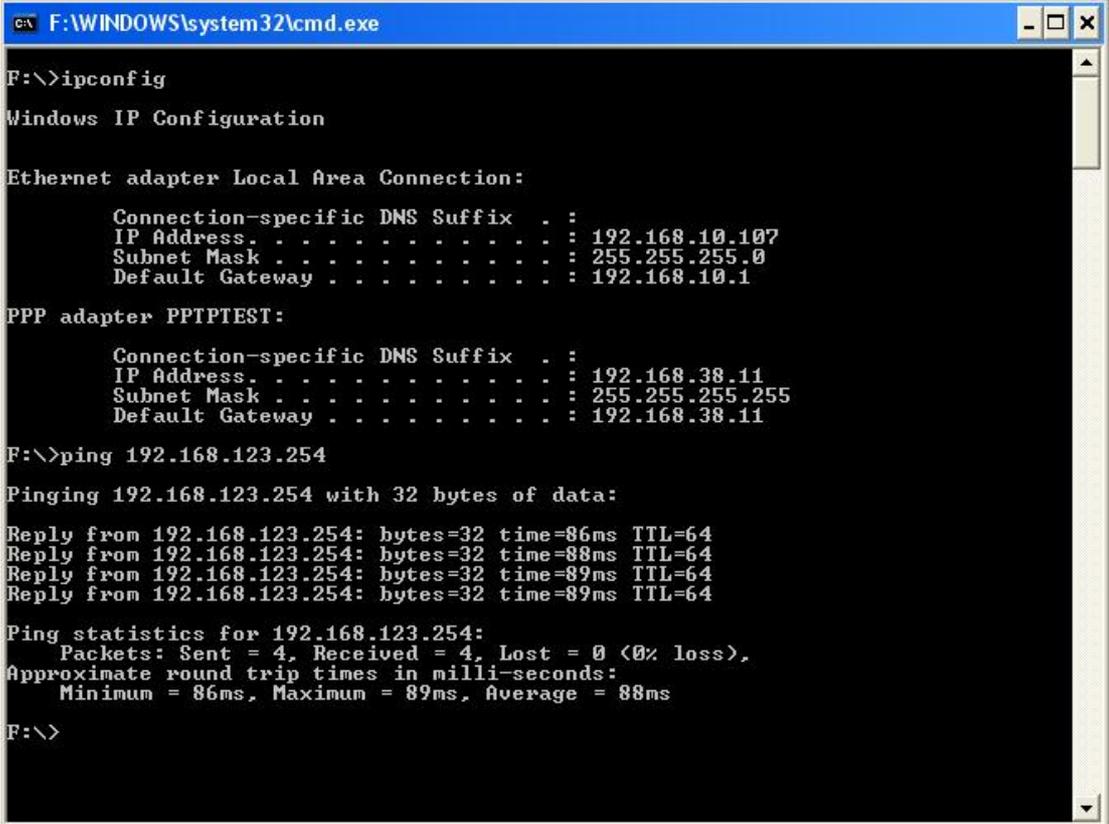
(2) Connecting



(3) PPTP VPN connection established successfully



(4) Pinging PPTP VPN server successfully



```
F:\WINDOWS\system32\cmd.exe

F:\>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IP Address . . . . . : 192.168.10.107
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.10.1

PPP adapter PPTPTEST:

    Connection-specific DNS Suffix  . : 
    IP Address . . . . . : 192.168.38.11
    Subnet Mask . . . . . : 255.255.255.255
    Default Gateway . . . . . : 192.168.38.11

F:\>ping 192.168.123.254

Pinging 192.168.123.254 with 32 bytes of data:

Reply from 192.168.123.254: bytes=32 time=86ms TTL=64
Reply from 192.168.123.254: bytes=32 time=88ms TTL=64
Reply from 192.168.123.254: bytes=32 time=89ms TTL=64
Reply from 192.168.123.254: bytes=32 time=89ms TTL=64

Ping statistics for 192.168.123.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 86ms, Maximum = 89ms, Average = 88ms

F:\>
```

(5) Checking the PPTP connection status of FBR-1411TX(A PPTP connection from 218.167.16.222 is on-line)



User Name	Peer IP	Virtual IP	Peer Call ID	Manual Operation
test	218.167.16.222	192.168.38.11	520	<input type="button" value="Disconnect"/>