

Top Global MB5000 VPN Pass Through Solution

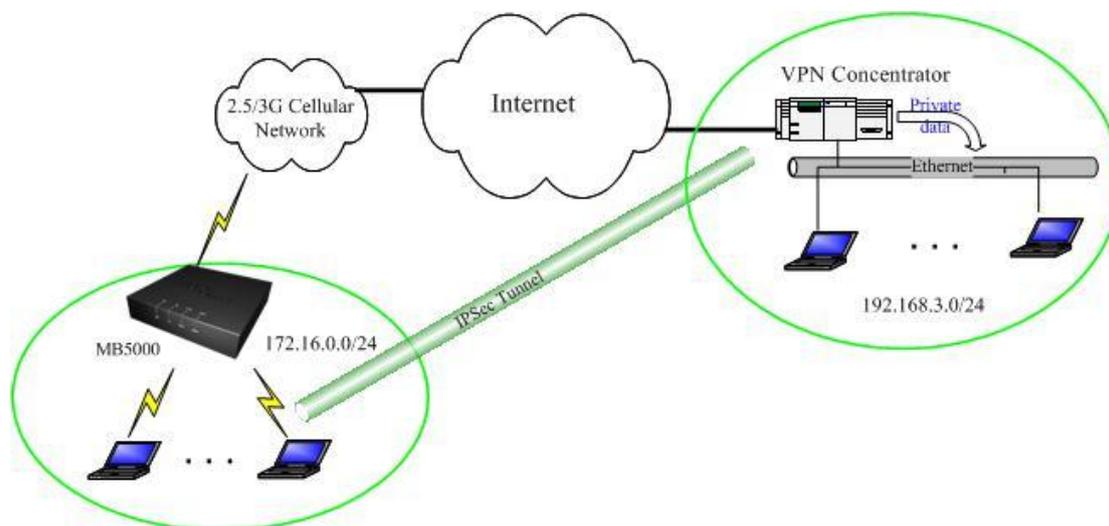
Top Global MobileBridge™ connects 3G and Ethernet network, as well as Wi-Fi network. MB5000 is a product of MobileBridge™ series.

MB5000 provides a gateway service for its LAN (including wired LAN and wireless LAN) users. There is a NAT (Network Address Translator) service resident inside, which is a method of connecting a number of computers in a LAN to the Internet using a single one public IP address.

VPN pass through is fully supported in MB5000. In this application note, those application scenarios and configuration options will be described in detail.

Application scenario 1: VPN Client pass through

MB5000 can support VPN pass through very well. When you are using a VPN client via MB5000 to connect with a VPN concentrator in the Internet and the VPN protocol supports NAT-T (UDP encapsulation VPN), it can be passed by MB5000 without any problem. No configuration is needed because it is default in MB5000. See below scenario:



VPN client normally is running in a PC or laptop, this laptop (or PC) is connected into MB5000 private network via Wi-Fi or Ethernet cable. MB5000 brings the VPN client into the Internet via 3G networks so that it can build VPN tunnel with the VPN concentrator which locates in the Internet. The VPN tunnel was built over 3G wireless networks and the Internet through MB5000. The VPN tunnel is oriented from the VPN client and terminated in the VPN concentrator. MB5000 works as a transparent bridge here.

Configurations for VPN pass through

VPN client:

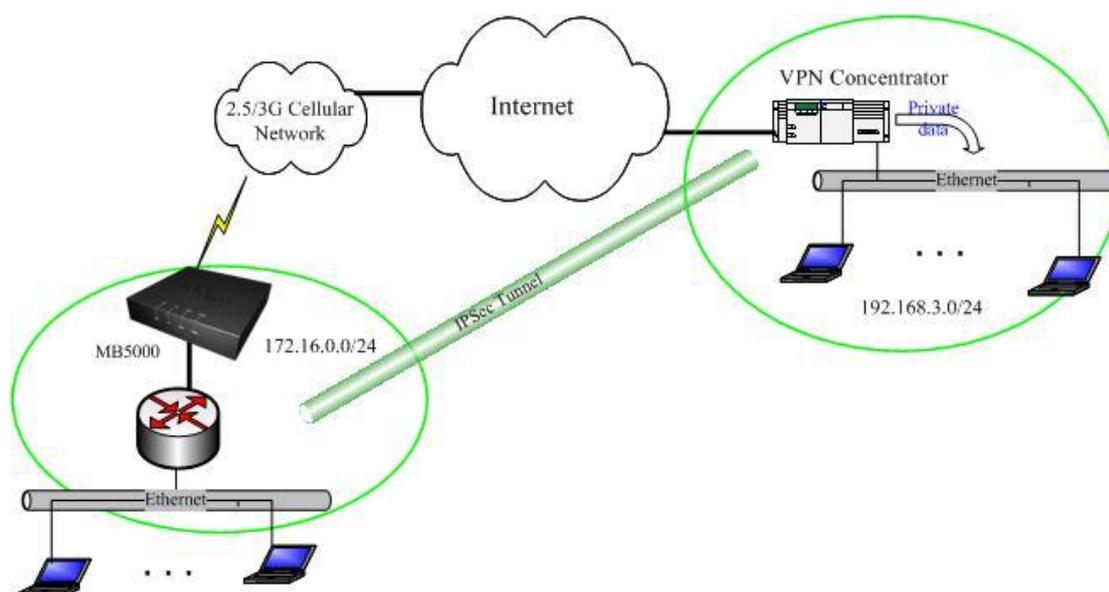
Enable NAT-T.

MB5000:

No special configuration is needed. VPN pass through is default configuration.

Application scenario 2: VPN Router pass through

VPN tunnel built by VPN Router behind MB5000 can also pass through MB5000 very well. If the VPN router supports NAT-T (UDP encapsulation VPN), it can be passed by MB5000 without any problem. No configuration is needed because it is default in MB5000. See below scenario:



VPN router is connected into MB5000 private network via Ethernet cable. MB5000 brings the VPN Router into the Internet via 3G networks so that it can build VPN tunnel with the VPN concentrator which locates in the Internet. The VPN tunnel was built over 3G wireless networks and the Internet through MB5000. The VPN tunnel is oriented from the VPN Router and terminated in the VPN concentrator. MB5000 works as a transparent bridge here.

Configurations for VPN pass through

VPN Router:

Enable NAT-T.

MB5000:

No special configuration is needed. VPN pass through is default configuration.

RCM Compatibility

Remote Central Management (hereafter RCM) software can provide enterprise class management and administration to Top Global 3G router products.

MB5000 can be managed by RCM server even it is running with VPN pass through.