

# DIRECWAY®

## VPN Accelerator for Teleworkers

VPN over satellite to your corporate intranet

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### DIRECWAY®

DIRECWAY® is a family of high-speed broadband satellite solutions brought to you by Hughes Network Systems, Inc. (HNS), the global market leader in providing satellite products and services to enterprises and consumers. DIRECWAY satisfies the increasing demand for bandwidth by offering a variety of high-speed multimedia hardware, software, and service solutions.

You are a teleworker. You do a significant amount of work from your home. Your company IT policy mandates IPsec VPN for your connection to the corporate intranet. You also need broadband to work efficiently and you can't get it from your local broadband providers.

The DIRECWAY broadband satellite service will provide basic connectivity virtually anywhere—all you need is line of sight to the southern sky. And, with the DIRECWAY VPN Accelerator, you can establish a fast, reliable, secure VPN connection using the satellite link.

#### VPN Accelerator Background

IPsec creates performance degradation over all networks. In high latency networks, the degradation is much more noticeable. The DIRECWAY VPN Accelerator is an acceleration mechanism for IPsec VPNs over a DIRECWAY satellite system. The VPN Accelerator can accelerate VPN connections from the most popular VPN providers such as Nortel, Cisco, and Check Point.

VPN Accelerator alleviates the performance degradation associated with IPsec over satellite by performing satellite acceleration techniques prior to transmission through the VPN tunnel, while maintaining the integrity of the VPN security.

#### VPN Accelerator Specifications

The DIRECWAY VPN Accelerator consists of client software for the teleworker's PC and a DIRECWAY VPN Accelerator server that is typically deployed at the company data center.

##### ■ VPN Accelerator Client

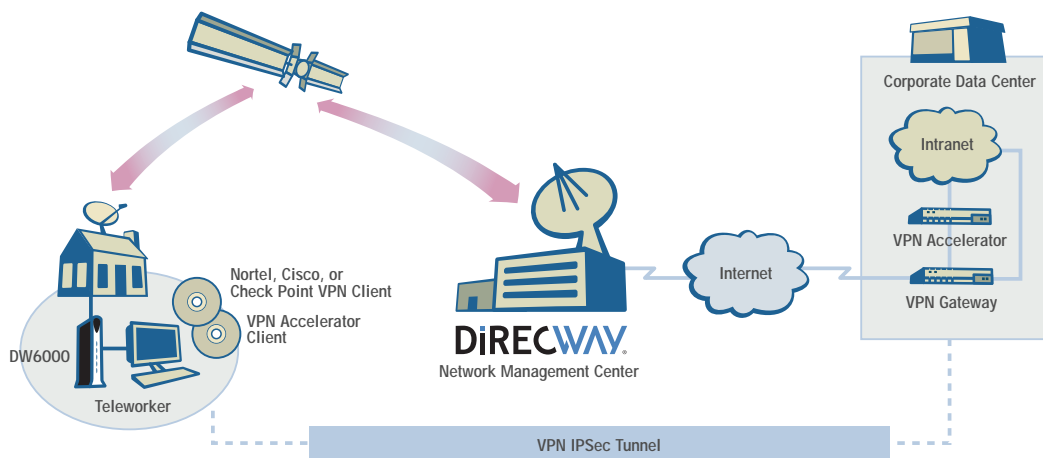
The DIRECWAY VPN Accelerator client software runs on the teleworker's PC in conjunction with the existing VPN client. Once the enterprise is VPN Accelerator-enabled, the client can be downloaded through the corporate Web site or from a certified DIRECWAY channel partner.

A graphic interface makes it easy to configure and monitor status. VPN logon, DHCP, and other startup functions happen automatically.

When the satellite link and the VPN Accelerator server are detected as present, the VPN Accelerator client routes all TCP traffic between the PC and the intranet through the VPN Accelerator server.

##### ■ VPN Accelerator Server

The VPN Accelerator client must be configured to work with a VPN Accelerator server hosted at your enterprise's data center.



## How to order DIRECWAY VPN Accelerator and other FAQs

### 1. By how much will the VPN Accelerator increase the performance of a VPN over DIRECWAY?

Depending upon the application, preliminary tests have shown that the performance in speed is enhanced up to a factor of three. Test results are available and are continually being updated. Contact HNS for more information.

### 2. What operating systems are supported for the VPN Accelerator client?

Operating systems supported by HNS for VPN Accelerator clients are:

- Windows® 2000 Pro
- Windows® XP Home
- Windows® XP Pro

### 3. Is a static, public IP required on the DIRECWAY remote to run the VPN and the clients?

The static IP requirement is independent of the DIRECWAY VPN Accelerator. The Nortel/Cisco/Check Point VPN server can be configured to only allow clients based on their public IP addresses, or the server can be set in a NAT configuration. Whether the DIRECWAY remote requires a public IP address or not depends on how your corporation configured the VPN server.

### 4. Is a new DIRECWAY unit and account required to start using VPN Accelerator?

VPN Accelerator can be used with any existing Ethernet-based DIRECWAY remote (DW4020 or DW6000) connected to the Internet. If you are using a DW4000, you will have to upgrade to an Ethernet-based system. If you have an existing account, it needs to be upgraded to reflect the VPN Accelerator option profile and your corporation must be VPN Accelerator-enabled. If your corporation is not VPN Accelerator-enabled, please contact your HNS or channel account executive and let them know whom to contact in your corporate IT department.

### 5. In which order should the DIRECWAY VPN Accelerator client be installed—before or after the VPN client?

The VPN Accelerator client should be installed after your VPN has been successfully installed and tested. Also, the DIRECWAY terminal and service plan should be commissioned before downloading the VPN Accelerator client.

### 6. If I need to use my VPN on dial-up, can I turn off the VPN Accelerator?

If you are on travel and using dial-up, you don't need to take any extra steps. The VPN Accelerator client is automatically turned on or off based on the detection of a satellite link.

### 7. If I am having problems accessing my intranet through VPN Accelerator, whom do I contact?

The VPN Accelerator user should first contact his/her corporate IT department, or other help desk designated at time of purchase. If it is determined to be a VPN Accelerator issue, customer escalation will take place between your corporate IT department or the channel partner help desk and HNS' advanced customer support service.

### 8. How do I know if the DIRECWAY VPN Accelerator service is available to me?

To determine if your company is VPN Accelerator-enabled, contact your corporate help desk or IT department. If it is not, request that your corporate IT department investigate DIRECWAY VPN Accelerator capabilities by visiting [www.direcway.com](http://www.direcway.com).

### 9. How can I obtain a copy of the free DIRECWAY VPN Accelerator client?

The DIRECWAY VPN Accelerator client is not available directly from HNS since the client must be configured to work with the particular enterprise server that is VPN Accelerator-enabled. Once an enterprise is VPN Accelerator-enabled, the client can be downloaded through the corporate Website or from a certified DIRECWAY channel partner. Check with your IT support staff for the policy at your company.

### 10. What happens when I travel and am away from my DIRECWAY connection?

Once installed, the DIRECWAY VPN Accelerator runs alongside your corporate-mandated VPN client all the time. The VPN Accelerator automatically detects the presence of the DIRECWAY satellite connection. Therefore, if you travel away from your DIRECWAY connection and use an alternate means of connection to the Internet, the VPN Accelerator is not activated.

For more information or to locate a sales office near you, please visit our Web sites at [www.hns.com](http://www.hns.com) and [www.direcway.com](http://www.direcway.com).



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