

G R O U N D  C O N T R O L

NAP – Network Access Point



Networking Solutions for Business Direcway users.

HUGHES™ **DiREcWAY™**

G R O U N D C O N T R O L

NAP Network Access Point

Ground Control has developed a Network Access Point (NAP) for the DIRECWAY Satellite platform. This gateway system allows you to connect multiple computers within the corporate network using TCP/IP regardless to whether it runs Linux, Mac OS, Unix or AS400 operating systems. The NAP has also been designed for smaller networks as well as mobile networks.

Network firewall for mid-sized businesses

All NAPs are preconfigured for a robust network firewall that protects your network from hackers and Internet threats. It easily connects the network to the Internet using various access devices. Built-in mailserver allows users to have your own corporate email.

The NAP also allows full control over the corporate network traffic. NAT (Network Address Translation) and stateful packet inspection allow detailed setup of each station or network segment. Moreover, businesses may create a DMZ and run any public service within the secured corporate network, e.g. a corporate web server or a corporate mail server.

The NAP can serve any computer (client) within the corporate network using TCP/IP regardless to whether it runs Linux, Mac OS, Unix or AS400 operating systems.

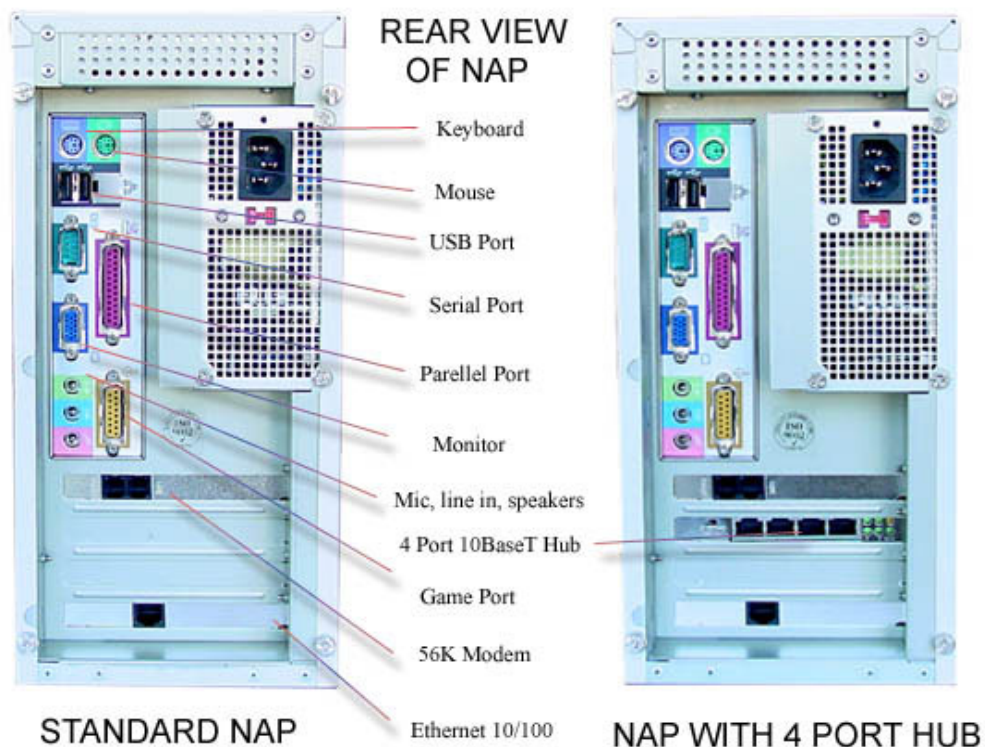


The Ground Control NAP measures 12"H x 15"D x 5 ¾ W

The Ground Control NAP is a specially configured Windows 2000 computer optimized for networking off a DIRECWAY satellite connection. The system has been designed and tested in the rigorous mobile environment and can be used at operating temperatures well in excess of over the counter machines. The software environment has been carefully configured to support the multiple software packages necessary to run concurrently in this application such as the IG-2500 Mobile positioning software.

NAP FEATURES:

- Firewall protects the local network from outside attacks.
- NAT Router allows you to share your Internet connection within the network.
- Port mapping allows hosting Internet applications securely inside the local network.
- Proxy cache server speeds up your Internet access times.
- URL filter prevents users from viewing certain web pages.
- Built-in DHCP server rids the administrator of the need to set TCP/IP parameters on client machines.
- Built-in mailserver provides a great emailing solution for your network.
- Optimized and highly reliable networking for LANs using DIRECWAY.
- Windows 2000 PRO Operation System (the only supported system Hughes supports).
- Network server software supporting both Fixed and Dynamic IP addressing (acting as DHCP server) for five network workstations and allows for future expansion of up to 250 workstations.
- Intel Inside
- Full recovery CD that allows factory re-installation of system software.



The Standard NAP differs from the NAP with a 4 Port Hub only in that you may connect other computers directly to the NAP itself without running an external Hub.



Monitor
Keyboard
Mouse
A/B Switch



This device allows you to
Switch to the NAP screen
from any connected
computer with a simple
keyboard command.



The A/B switch that comes standard with each Ground Control NAP allows you to use one connected workstation run the NAP with a simple keyboard command. You do not need to buy a separate monitor, keyboard and mouse to run the NAP.

GROUND CONTROL NAP SPECIFICATIONS:

- Processor Speed: In excess of 1GHz Celeron
- Processor Type: Intel
- Ram: In Excess of 128 MB
- Storage: In Excess of 2.5 GB
- Software Environment: Windows 2000 Pro
- Satellite Support: Hughes DIRECWAY 4.0.3.9 Software Compatible
- Networking Environment: Proprietary Networking Software Supporting 5 Plus Workstations expandable to 250 stations.
- Acquisition Support: Datastorm Auto Acquisition (in Mobile Environment)
- Recovery: CD Recovery will restore the system to as shipped from the factory condition.
- Drives: Floppy, CD-ROM, Hard Drive
- Interfaces: Serial, USB, 10/100 LAN, Parallel with ECP and EPP, 56K Modem, Audio
- Video: AGP 2.0 Graphics Accelerator supporting up to 1920x1200 16M Colors
- Installation: Horizontal/Vertical
- Nap Power: 120Vac 60Hz @ 180 Watts
- Hughes Modems Power: 100 – 240 Volts @ 2 Amps
- Operating Environment: -20 F to +120 F (suitable for Mobile Vehicle environment)
- Humidity: 5% to 80% Non-Condensing
- Physical Dimensions: 14.5"x12"x5.75"
- Shipping Weight: 24 lbs.