NetVanta 2050/2054

Small Office and Home Office VPN Gateway and Firewall

Product Features

- Standards-based IPSec VPN tunneling with DES/3DES/AES encryption
- Internet Key Exchange (IKE) for user authentication
- Stateful inspection firewall for network security
- Five private tunnels and up to 15 users
- Built-in IP router
- Network Address Translation for IP address concealing
- Web-based and CLI remote management
- 10/100Base-T Ethernet interfaces for flexible connectivity
- Logging and alerts
- Industry-leading five-year North American warranty

VPNC CERTIFIED

RSA SECURED

ADTRAN®

The ADTRAN NetVanta® 2050 and 2054 are small office/home office VPN/Firewall gateways providing all the necessary components required to secure an integrated VPN solution. Used primarily for remote access, the NetVanta 2050 and 2054 are perfect for work-at-home telecommuters needing to have a secure connection back to corporate resources. Based on the ADTRAN Operating System (OS), the NetVanta 2050 and 2054 provide key security and data protection features such as IPSec VPN tunneling, stateful inspection firewall, IP routing, Network Address Translation (NAT), and even a DHCP server. The 2050 and 2054 support the same features and perform the same functions, but the 2054 adds a built-in four-port 10/100BaseT Ethernet switch.

Security: On a public infrastructure like the Internet, security is of the utmost importance. The NetVanta 2050 and 2054 employs a stateful inspection firewall that protects an organization's network from common Denial of Service attacks including TCP synflooding, IP spoofing, ICMP redirect, ping-of-death, and IP reassembly problems.

For the telecommuter that needs a dedicated firewall without corporate VPN access, the NetVanta 2050 and 2054 offer a firewall only version. The firewall only versions offer the same basic features, without IPSec-VPN tunneling, encryption and authorization.

VPN Tunneling: The NetVanta 2050 and the 2054 are IPSec-compliant devices that provide secure communications over potentially unsecure networks. As security gateways, both the NetVanta 2050 and 2054 supports up to five simultaneous VPN tunnels and up to 15 users on the LAN, while supporting encryption algorithms including

DES, 3DES, and AES. In addition, these devices support IKE (Internet Key Exchange) and X.509 digital certificates for user authentication.

The firewall only versions of the 2050 and 2054 can be upgraded to support VPN with the purchase of the ADTRAN OS Enhanced Feature Pack upgrade. This feature pack is a firmware upgrade and adds all the VPN features mentioned.

Management: The NetVanta 2050 and 2054 can be remotely configured and managed with either a secure web-based graphical interface, or since they are based on the ADTRAN OS, a familiar Command Line Interface (CLI). Either way, configuration files can be saved and downloaded to expedite reconfiguration or as a backup. To administer user accounts, both devices utilize XAUTH using RADIUS and RSA SecurID to manage administration account lists. In addition, these devices offer built-in alert and logging mechanisms to warn administrators about activities that are going on in the network.

Interoperability: The NetVanta 2050 and the 2054 offer guaranteed interoperability with ADTRAN's complete line of NetVanta 2000 and 3000 Series of VPN supported devices. The NetVanta 2000 Series includes the NetVanta 2100 as a VPN/Firewall for the small office, the NetVanta 2300 for branch offices or as a mid-size host, NetVanta 2400 for larger corporate host applications, and the software implemented NetVanta VPN Client. The NetVanta 3000 Series of secure access routers include the NetVanta 3200 and 3205 for single-T1 needs and the NetVanta 3305 for dual-T1 applications. Together the NetVanta series offers the most robust features and functions to address a wide range of enterprise VPN/Security needs.

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Product Specifications

Physical Interface
- **Public:** RJ-45 10/100 Auto-Sensing Ethernet interface
- **Private:** 2050: One (1) 10/100BaseT Ethernet interface
  2054: Four (4) 10/100BaseT Ethernet Interfaces
- **Serial Port:** RS-232 for off-net configuration

Virtual Private Network (VPN)

Hash Algorithms
- MD5-HMAC 128-bit authentication algorithm
- SHA1-HMAC 160-bit authentication algorithm

Encryption
- DES-CBC (56-bit)
- 3DES-CBC (168-bit)
- AES-(128-bit, 192-bit, 256-bit)

Diffie Hellman Group Support
- Group 1: MODP 768
- Group 2: MODP 1024
- Group 5: MODP 1536
- Group 7: For AES

Authentication Mechanisms
- Preshared keys
- X.509 Certificate Support: RSA Signatures, DSS Signatures

Key Management
- IKE (ISAKMP/Oakley)

IPSec Mode
- Tunnel

IKE
- Modes: Main, Aggressive, and Perfect Forward Secrecy
- XAUTH
- Mode Config

Firewall
- Stateful inspection firewall
- Denial of Service (DoS)

Diagnostics

Front Panel Status LEDs
- Power – status
- VPN – status, transmit, receive
- Private – transmit, receive
- Public – transmit, receive

Routing
- IP
- OSPF, RIP, and Static Routes
- VLAN Trunking (8.201Q)

Network Address Translation
- Basic NAT (1:1)
- NAPT (Many:1)
- Reverse NAT (translation of an inbound session's destination IP address)
- Application Level Gateways for FTP, HTTP, POP3, H.323 and others

Administration
- Command Line Interface (CLI)
- Web-based graphical interface
- SYSLOG logging in WELF format
- Email alerts (SMTP)

DHCP
- Server (to manage IP addresses on local network)
- Client (to acquire IP address from service provider)
- MAC Address Masquerading

PPPoE
- Client (to acquire IP address from service provider)

Environment

Operating Temperature
- 0° to 50°C (32° to 122°F)

Storage Temperature
- -20° to 70°C (-4° to 158°F)

Relative Humidity
- Up to 95%, non-condensing

Physical

Size
- 1.625" H, 7.5" W, 5.437" D

Weight
- 2 lbs. (shipping weight)

Power
- 12 VDC Power
- 4 W

Agency Approvals
- FCC Part 15 (Class B)
- UL and Canadian UL (CUL), IEC/EN, CSA, CE Mark

Product Includes
- 12 VDC locking power supply
- 6 ft. crossover Ethernet cable
- User manual
- Quick start guide

Ordering Information

Equipment	Part #
NetVanta 2050	1202362L2
NetVanta 2050 Firewall	1202362L1
NetVanta 2054	1202363L2
NetVanta 2054 Firewall	1202363L1
NetVanta 2000 Series VPN Upgrade	1950362L2

NetVanta 2050

NetVanta 2054