NetVanta 2100

Small 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
- Unlimited users and up to ten private tunnels
- Built-in IP router supporting BGP, OSPF, and RIP
- Quality of Service (QoS) for delay sensitive traffic like VoIP
- 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® 2100 is a small office VPN/Firewall gateway providing all the necessary components required to secure an integrated VPN solution. Used primarily for remote access, the NetVanta 2100 is perfect for the small remote office needing to have a secure connection back to corporate resources. Based on the ADTRAN Operating System (AOS), the NetVanta 2100 provides 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.

Security

On a public infrastructure like the Internet, security is of the utmost importance. The NetVanta 2100 employs a stateful inspection firewall that protects an organization's network from common Denial of Service (DoS) attacks including TCP synflooding, IP spoofing, ICMP redirect, ping-of-death, and IP reassembly problems.

VPN Tunneling

The NetVanta 2100 is an IPSec-compliant device that provides secure communications over potentially unsecure networks. As a security gateway, the NetVanta 2100 supports up to ten simultaneous VPN tunnels and unlimited users on the LAN, while supporting encryption algorithms like DES, 3DES, and AES. In addition, this device supports IKE (Internet Key Exchange) and X.509 digital certificates for user authentication.

Management

NetVanta's web-based GUI or CLI can be used for secure local or remote configuration for the NetVanta 2100. For a centralized, enterprise-wide management scheme, ADTRAN offers n-Command™, an intuitive, scalable software suite for managing larger NetVanta deployments and features robust

productivity tools to effectively manage a distributed network. To administer user accounts, the NetVanta 2100 utilizes XAUTH using RADIUS and RSA SecurID to manage administration account lists. This device also offers built-in alert and logging mechanisms to warn administrators about activities that are going on in the network.

Quality of Service (QoS)

QoS is also supported for delay sensitive traffic like VoIP or video. To prioritize mission critical traffic and control network congestion, the NetVanta 2100 uses Low Latency Queuing, Weighted Fair Queuing (WFQ), Class-based WFQ and DiffServ marking to establish priority of IP packets routed over the network.

VoIP Ready

In combination with the QoS features, a specialized SIP Application Layer Gateway (ALG) allows SIP traffic to traverse NAT-enabled firewalls. For an enterprise network, this interoperability allows IP PBXs, phones, and other SIP-based devices to set up, tear down, and pass voice and call control messages seamlessly through the integral NAT-enabled firewall.

Interoperability

The NetVanta 2100 offers the highest level of integration with ADTRAN's complete line of IPSec VPN equipped NetVanta products: NetVanta Ethernet Switches, NetVanta Access Routers, and NetVanta VPN/Firewall appliances. All of the ADTRAN Internetworking products support the AOS, ensuring common configuration practices and protection schemes between the various models. Together the NetVanta Series offers the most robust set of feature to address a wide range of enterprise VPN needs.

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Product Specifications

Physical Interface
- **Public:** Auto-Sensing 10/100Base-T
- **Private:** Auto-sensing 10/100Base-T
- **Serial Port:** RS-232 for off-net configuration

Diagnostics
Front Panel Status LEDs
- **Power** status
- **VPN:** status, transmit, receive
- **Private:** transmit, receive
- **Public:** transmit, receive

Security
Firewall
- Stateful Inspection Firewall
- Denial of Service (DoS) Protection
- Access Control Lists
- Application Level Gateways (ALGs)

Virtual Private Network (VPN)
- **IPSec Mode:** Tunnel
- **Encryption:** DES, 3DES, and AES
- **Diffie Hellman Group Support:**
  - ◊ **Group 1:** MODP 768
  - ◊ **Group 2:** MODP 1024
- **Hash Algorithms:**
  - ◊ MD5-HMAC
  - ◊ SHA1-HMAC
- **Authentication Mechanisms:**
  - ◊ XAUTH
  - ◊ X.509 Digital certificates
  - ◊ Preshared keys
  - ◊ Secure ID
  - ◊ DSS Signatures
- **Key Management:** IKE (ISAKMP/Oakley)
- **IKE Mode:**
  - ◊ Main
  - ◊ Aggressive
  - ◊ Perfect Forward Secrecy
  - ◊ Mode Config
- **Dead Peer Detection**
- **NAT Traversal V2**

Network Address Translation
- Basic NAT (1:1), NAPT (Many:1), 1:1 Port Translation
- NAT compatible SIP ALG

Secure Management
- Multi-level access control
- RADIUS AAA
- SSH CLI and SSL GUI

Protocols
- ■ IP
- ■ eBGP/iBGP
- ■ DSPF
- ■ RIP (v1 and v2)
- ■ GRE
- ■ PPPoE

Quality of Service (QoS)
- Class-based Weighted Fair Queuing
- Low Latency Queuing
- Weighted Fair Queuing
- DiffServ marking and packet recognition
- DiffServ preservation through VPN tunnel

Administration
- Familiar Command Line Interface (CLI)
- Web-based GUI
- n-Command® support
- SNMP v2
- SYSLOG Logging
- Email Alerts (SMTP)
- Policy Statistics

DHCP
- Server, Client, Relay
- MAC Address Masquerading

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:** 1.825" 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 2100	1202881L2