



NetVanta 2300

Mid-Range VPN Gateway and Firewall

Product Features

- IPsec VPN tunneling with DES/3DES encryption
- Internet Key Exchange (IKE) for user authentication
- Stateful inspection firewall security
- DMZ Port for public server access
- Hardware Encryption Accelerator
- Up to 100 private encryption tunnels
- Logging and alerts
- Web-based management
- 10/100 BaseT Ethernet interfaces for flexible connectivity



The ADTRAN NetVanta™ 2300 is a mid-range IPsec compliant gateway providing all the necessary components required to secure an integrated VPN solution. As a branch office or mid-size host security gateway, the NetVanta 2300 provides several key security features such as IPsec VPN tunneling with DES or 3DES encryption, stateful inspection firewall, and IKE for user authentication supporting public/private keys or digital certificates. In addition, it also offers a DMZ port for public server access, a hardware encryption accelerator for faster encryption throughput and up to 100 simultaneous VPN tunnels.

Security: On a public infrastructure like the Internet, security is of the utmost importance. The NetVanta 2300 protects the corporate network against attacks with a built-in firewall and provides data security through encryption, authentication and key exchange. The NetVanta 2300 employs a stateful inspection firewall that protects an organization's network from common cyber attacks including TCP syn-flooding, IP spoofing, ICMP redirect, land attacks, ping-of-death, and IP reassembly problems. The NetVanta 2300 also encrypts the data being sent out onto the network, using either the DES (Data Encryption Standard) or 3DES encryption algorithms. Data integrity is ensured using MD5 or SHA1 as it is transported across the public infrastructure. In addition, Internet Key Exchange (IKE) can be used for user authentication supporting public/private keys or digital certificates, assuring that the proper VPN tunnel is established and that the tunnel has not been redirected or compromised.

VPN Tunneling: NetVanta 2300 is an IPsec compliant device that supports both ESP and AH protocols and provides secure communication over potentially unsecure network components. As a security gateway, the NetVanta 2300 can support up to 100 private encryption communication tunnels through the Internet from remote locations. The NetVanta 2300 can also hide IP addresses from the external world by performing Network Address Translation (NAT).

Web-based Management: Configuring a remote NetVanta 2300 can easily be managed using a standard web browser. NetVanta 2300 has built-in alert and logging mechanisms for messaging and mail services. This enables the unit to warn administrators about activities that are going on in the network by logging them into a SYSLOG server or sending an email to the administrator.

The NetVanta 2300 offers guaranteed interoperability with ADTRAN's complete line of NetVanta 2000 Series of VPN/Security gateways: NetVanta 2050 for work-at-home telecommuters, NetVanta 2100 for small office connectivity, NetVanta 2400 for larger corporate host applications, and the software implemented, NetVanta VPN Client. Together the NetVanta 2000 Series offers the most robust features and functions to address a wide range of enterprise VPN needs.





CORPORATE OFFICE

ADTRAN, Inc.
901 Explorer Boulevard
P.O. Box 140000
Huntsville, AL 35814-4000

800 9ADTRAN

256 963-8000
fax: 256 963-8699
fax back: 256 963-8200
e-mail: info@adtran.com
web site: www.adtran.com

REGIONAL OFFICES

Chicago, IL 800 436-4217
Seattle, WA 800 390-1573
Washington, DC 800 794-9798

FIELD OFFICES

Atlanta, GA 800 289-0966
Chicago, IL 800 471-8655
Columbus, OH 888 865-2237
Dallas, TX 800 471-8648
Denver, CO 800 471-8651
Irvine, CA 800 788-5408
Kansas City, KS 800 471-8649
Los Angeles, CA 888 223-7668
Nashville, TN 888 223-7657
Portland, OR 888 223-7660
Richmond, VA 800 689-9915
San Jose, CA 888 223-7655

INTERNATIONAL CONTACTS

Beijing, China
8610 8529-8895

Canada
1 877 923-8726

Hong Kong
52 2824-8283

Latin America
954 474-4424

London, U.K.
44 1252 626-730

Melbourne, Australia
61 3 9225-5114

Mexico/Caribbean
954 577-0357

Zürich, Switzerland
41 1 880-2777



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Product Specifications

Physical Interface

- **WAN:** RJ-45 10/100 Auto-Sensing Ethernet interface
- **LAN:** RJ-45 10/100 Auto-Sensing Ethernet interface
- **DMZ:** RJ-45 10/100 Auto-Sensing Ethernet interface
- **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 encryption
- 3DES-CBC 168-bit encryption

Diffie Hellman Group Support

- Group 1: MODP 768
- Group 2: MODP 1024

Authentication Mechanisms

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

Key Management

- IKE (ISAKMP/Oakley)

IPSec Mode

- Tunnel

IKE Modes

- Main
- Aggressive
- Quick

Firewall

- Stateful inspection firewall
- Application content filtering
- Cyber assault protection
- HTTP Relay

Diagnostics

Front Panel Status LEDs

- Power – status
- VPN – status, transmit, receive
- LAN – transmit, receive
- WAN – transmit, receive

Routing

- TCP/IP
- Static Routes
- RIP V1 & RIP V2

Administration

- Web-based management
- SYSLOG logging in WELF format
- Email alerts (SMTP)
- User and group access control policies based on time-of-day
- User accounting policy statistics

DHCP

- Server (to manage IP addresses on local network)
- Client (to acquire the WAN-side IP address from service provider)

PPPoE

- Client (to acquire the WAN-side IP address from service provider)

Address Translation

- Basic NAT (1:1)
- NAT (Many:1)
- Reverse NAT (translation of an inbound session's destination IP address)

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: 1.25" H, 17.25" W, 7.75" D

Weight: 7 lbs (shipping weight)

Power: 100 - 250 VAC, 50/60 Hz

Agency Approvals

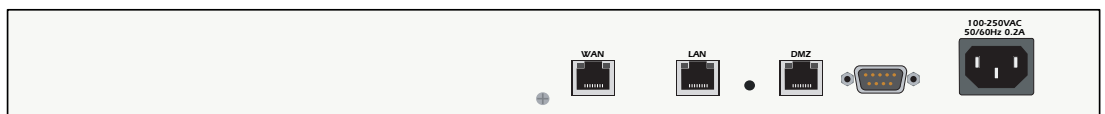
- FCC Part 15 (Class B)
- UL and Canadian UL (CUL), IEC/EN, CSA

Product Includes

- User manual
- AC power cord
- Rackmount brackets

Ordering Information

Equipment	Part #
NetVanta 2300	1200366L1



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