

ADVANTA 2100



INTERNET SECURITY FEATURING VPN AND FIREWALL

PRODUCT FEATURES

- IPSec VPN tunneling with DES/3DES encryption
- Internet Key Exchange (IKE) for user authentication
- Stateful inspection firewall security
- Internal router
- Network Address Translation
- Logging and alerts
- Web-based management
- 10/100BaseT Ethernet interface for flexible connectivity

The ADVANTA 2100 is a plug-and-play Internet Security device providing all the necessary components required to secure an integrated VPN solution. Used primarily for site-to-site connectivity, the ADVANTA 2100 targets the corporate branch office, the small office / home office (SOHO), and even business-to-business applications. ADVANTA 2100 provides several key security and data management features such as access policies, IPSec VPN tunneling, stateful inspection firewall, cyber assault protection, authenticated remote user access, and Network Address Translation. Adhering to IPSec standards (established and maintained by the IETF) enables the ADVANTA 2100 to be interoperable with many other IPSec compliant gateways, allowing for a multi-vendor VPN solution.

Security: On a public infrastructure like the Internet, security is of the utmost importance. The ADVANTA 2100 protects the corporate network against attacks with a built in firewall and provides data security through encryption, authentication and key exchange. The ADVANTA 2100 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.

For encryption, the ADVANTA 2100 encrypts the data being sent out onto the network, using either the Data Encryption Standard (DES) 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 and 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: ADVANTA 2100 is an Internet Protocol Security (IPSec) compliant device that supports both ESP and AH protocols and provides secure communication over potentially insecure network components. Acting as a security gateway, the ADVANTA 2100 can provide up to 10 private encryption communication tunnels through the Internet with remote locations. The ADVANTA 2100 also hides IP addresses from the external world by performing Network Address Translation (NAT). The integrated router allows multiple users to share a VPN connection and can also direct incoming IP traffic.

Web-based Management: A remote ADVANTA 2100 can easily be configured and managed using a standard web browser. ADVANTA 2100 has built-in alert and logging mechanisms using protocols such as SMTP and POP3 for messaging and mail services. It can then warn administrators about activities that are going on in the network and log them to the Syslog server or send an email to the administrator.

Performance: Unlike a software implemented VPN solution, which depends on local CPU and memory performance to implement encryption, the ADVANTA 2100 is a standalone, hardware platform that off-loads the CPU intensive encryption process. With 3DES encryption, CPU performance takes a more dramatic hit, possibly slowing all the local processes on the computer. Since the ADVANTA 2100 offers a dedicated processing platform to drive the encryption process, local computer performance is unaffected.

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Printed in the U.S.A. on recycled paper.
61200361L1-8A March 2001
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Product Specifications

PHYSICAL INTERFACE

- WAN: Auto-sensing 10/100BaseT Ethernet Port (RJ-45)
- LAN: Auto-sensing 10/100BaseT Ethernet Port (RJ-45)
- Serial port

FIREWALL

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

ADDRESS TRANSLATION

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

IPSEC TUNNEL

- Encapsulating Security Payload (ESP)
- Authentication Header (AH)
- Manual key management or automatic key management using Internet Key Exchange (IKE)
- MD5-HMAC 128-bit authentication algorithm
- X.509 certificate support
- SHA1-HMAC 160-bit authentication algorithm
- DES-CBC 56-bit encryption
- 3DES-CBC 168-bit encryption

DIAGNOSTICS

Front Panel Status LEDs

- Power
- VPN - enabled, transmit, receive
- LAN - transmit, receive
- WAN - transmit, receive

ADMINISTRATION

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

DHCP

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

ROUTING

- TCP/IP
- Static routes
- RIP V1

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, 9.0" W, 6.375" D

Weight

- 2 lbs (shipping weight)

Power

- 12 vDC Power
- 4 W

AGENCY APPROVALS

- FCC Part 15 (Class B)
- UL 1950, 3rd Edition

PRODUCT INCLUDES

- Manual
- 12 vDC power supply
- 6 ft. crossover Ethernet cable

Ordering Information

ADVANTA 21001200361L1

Specifications subject to change without notice

