

## Key Features

- 10 Mbps, full-duplex performance with DES, Triple DES, or AES encryption
- Integrates VPN, Firewall, and Routing in one Gateway
- IPSec standards-based encryption, authentication, digital certificates, and key management
- Expandable to 1000 IPSec tunnels and 2000 simultaneous secure connections
- Flexible and scalable network design with Static and Dynamic NAT, RADIUS, XAUTH, and Routing
  - Remote Access Services using RADIUS, DN based access control, XAUTH, NAT Traversal, and Mode Config
- High security with enhanced IKE commands, Perfect Forward Secrecy (PFS), and Certificate Revocation Lists (CRLs)
- Easy installation in existing network environments with 10/100 Mbps LANs, and DHCP
- Ideal for meshed, hub-and-spoke, and nested networks
- Centralized GUI, certificate-based authentication policy, and centralized policy management through SafeEnterprise Security Management Center

# HighAssurance 1000 Gateway

*A High-Performance, Site-To-Site, and Remote Access VPN Solution*



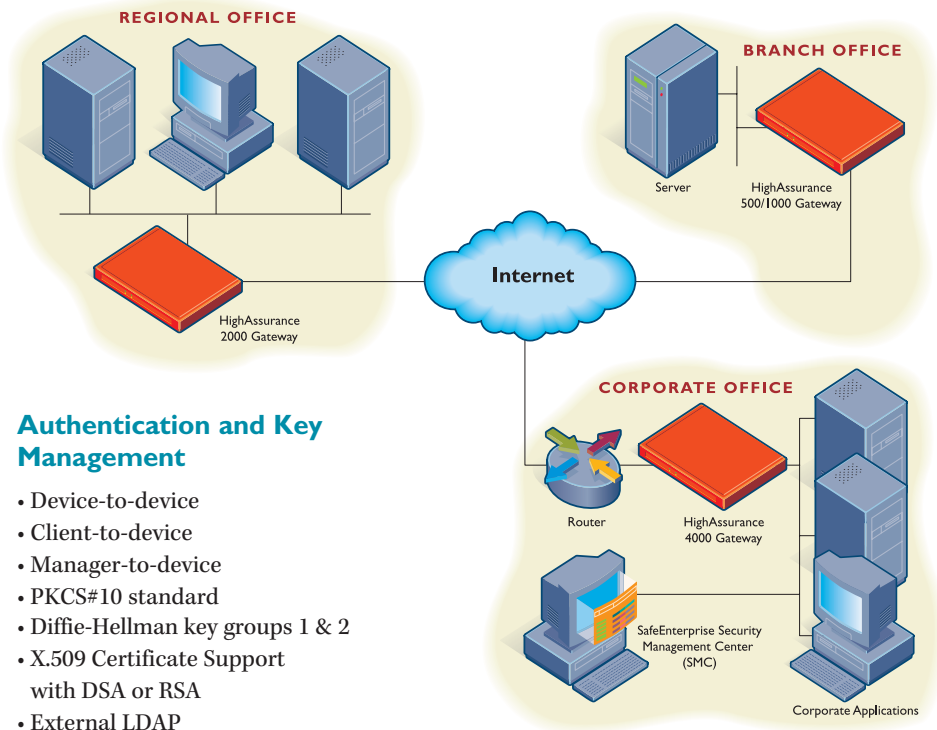
The SafeNet HighAssurance™ 1000 Gateway offers the necessary performance and manageability to drive down the total cost of ownership for network security. Built to meet the scalable demands of today's Mid-sized Office networks, it provides key security and data management features including IPSec VPN tunneling, Network Address Translation, and firewall while operating at 10 Mbps full-duplex.

The HighAssurance 1000 Gateway supports up to one thousand VPN tunnels and a maximum of two thousand simultaneous secure connections with DES, Triple DES or AES encryption.

The HighAssurance 1000 Gateway is a dedicated, stand-alone, IPSec solution for site-to-site and remote access virtual private networks (VPNs) with stateful packet inspection firewall capability for gateway security and access control. The HighAssurance 1000 Gateway maximizes cost and time savings by optimizing security, performance, interoperability, and manageability. It enables companies to move their business communications to the Internet to reduce costs, increase business opportunities, and securely

communicate and transact with employees, business partners, and customers. Encryption and security functions are separated from those of other networking devices because the HighAssurance 1000 Gateway is a dedicated security device. This is critical when designing the most secure meshed and hub-and-spoke network architectures.

Like all SafeNet security appliances, the HighAssurance 1000 Gateway is managed by the SafeEnterprise™ Security Management Center (SMC), a robust, Java™-based policy management software application with secure, flexible, and transparent SNMP-based control and monitoring capabilities. The SMC provides the ability to define integrated security policies that can be distributed across multiple devices and HighAssurance Remote VPN clients.



## Authentication and Key Management

- Device-to-device
- Client-to-device
- Manager-to-device
- PKCS#10 standard
- Diffie-Hellman key groups 1 & 2
- X.509 Certificate Support with DSA or RSA
- External LDAP

## IKE Features

- Preshared keys
- DSA authentication (1024 bits)
- RSA (1024 bits)
- Quick/Main/Aggressive modes
- XAUTH
- Mode Config

## Encryption

- DES: FIPS 46-2 (56 bit key) CBC mode
- 3DES: ANSI X.952 (168 bit key) CBC mode
- AES: (256 bit key) CBC mode
- IPSec compliant
- RFCs 2405, 2451

## Protocol Support

- IEEE Ethernet
- IPSec RFC 2401, 2402, 2406
- IKE RFC 2407, 2408, 2409
- RIP, OSPF

## Security Management

- Extensive audit logging
- Alarm condition detection and reporting
- Configuration and security management
- Secure download of software updates
- Performance monitoring
- In-band management

## Regulatory

- FCC Part 15, Class B
- UL
- IEC/EN
- CE Mark

SafeNet offers distinct levels of support based on the type of support you require. The HighAssurance 1000 Gateway has a one year (12 month) standard, basic warranty. Extended support and maintenance contracts are available. Support is also offered online through our customer support website, express service center, and customer connection center.

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Distributors and resellers located worldwide.

## Technical Specifications

### IPSec Modes

- Tunnel
- Encapsulated Security Payload (ESP)
- Authentication Header (AH)

### Data Integrity

- HMAC-MD5 RFC 2104, 2403, 1321
- HMAC-SHA-1 (FIPS PUB 180-1) RFC 2104, 2404

### Management Interfaces

- IEEE Ethernet (in-band remote configuration and management)
- RS-232 menu-driven terminal interface

### Physical Security

- Tamper-proof storage for cryptographic information
- Tamper-evident, extruded/sheet metal construction

### Management Platforms

- Microsoft Windows® 2000 and XP

### Electrical/Mechanical/Dimensions

- Two RJ-45 10/100 Auto-Sensing Ethernet ports
- One RS-232 serial port
- 12 VDC
- Power dissipation: 4 watts (typical)
- Desk mountable or 19 inch rack mountable shelf
- Weight: 2 lbs (0.91 Kg)
- Dimensions: 1.625" H x 9.0" W x 6.375" D (4.1 cm x 22.9 cm x 16.2 cm)

### Certifications

- FIPS PUB 140-2, Level 2

### Environmental

- Operating temperature: 32° to 122° F (0° to 50° degrees C)
- Operating humidity: Up to 95% (non-condensing)
- Operating altitude: -200 to 6,500 feet AMSL

