

SSL VPN-PLUS™ GATEWAYS

FASTEST VPN ON THE PLANET

NeoAccel's SSL VPN-Plus gateways deliver all the advantages of SSL VPNs—user mobility, ease-of-use, policy-based resource access control and zero-client administration—**plus** the low latency, high data throughput and universal application support previously available only with IPsec VPNs.

SSL VPN-Plus

NeoAccel's patented SSL VPN solution is architected to address the deficiencies found in today's remote access solutions: lack of performance, security, ease-of-use, and comprehensive application access.

Ease of Use

Elimination of large, configuration-dependent clients make SSL VPNs a clear choice for secure remote access.

Rather than granting conventional network-wide access to remote users, four modes of access provide as much, or as little, access as needed—all with minimal, central configuration. Complex client-side configurations are a thing of the past.

And the most popular enterprise platforms are supported—Windows®, Mac OS® and Linux®—ensuring no user is left behind. Deployment into existing networks is facilitated by support of existing authentication solutions.

High Performance and Capacity

NeoAccel delivers all the advantages of SSL VPNs at speeds faster than IPsec VPNs.

Conventional SSL VPN solutions suffer performance issues due to redundant tunneling of data (resulting in performance-degrading TCP-over-TCP meltdown), excessive packet processing and unnecessary data compression. NeoAccel's patented technology addresses all these issues and more.

Unique single-tunneling of data eliminates TCP-over-TCP meltdown. Kernel level-only processing of data eliminates excessive packet processing overhead. And dynamic compression determines when compression is beneficial.

Capacity of up to 10,000 concurrent users per gateway, with ultra-fast response times and ultra-low latency, addresses the largest of deployments.

Endpoint Security

All endpoints are subjected to policy-based compliance checks before they are admitted to a network. Hundreds of pre-defined checks for updated operating system and security software, malware presence, and more, are done before authentication. Additional checks are easily configured.

Full Access to All Applications

All enterprise applications are supported: full applications, Web applications, thin-clients, fat-clients and legacy applications

Overcome the limitations of other VPN solutions with...

- Clientless remote access
- Faster than IPsec VPNs
- Minimal configuration
- Full access to all applications

means only a single remote access solution is required.

Granular Network Access

Once endpoint security is assured, powerful and easy policy management governs all network access. Policy decisions to allow, or deny, access is based on user and group policies. Security zones, with access control enforcement, provide full flexibility and granularity of network access—for both employees and non-employees.

Best User Experience

No client-side installs or updates are required. Automatic re-connection between user and gateways and high availability clustering ensure network failures and timeouts do not block access to critical applications and data. The result is reduced technical support calls.



NeoAccel SSL VPN-Plus Gateways

SSL VPN-PLUS™

THROUGHPUT AND CAPACITY

Throughput

SGX-4800	950Mbps
SGX-2400	500Mbps
SGX-1200	250Mbps

Capacity

SGX-4800	10,000 Concurrent Users
SGX-2400	2,000 Concurrent Users
SGX-1200	100 Concurrent Users

Logins/Second

1,800

SSL Transactions/Sec

8,400

Latency

<10ms

APPLICATION SUPPORT

All IP-based applications (TCP,UDP)

Web-enabled applications

Dynamic IP- and port-based applications

Legacy mainframe applications

ACCESS CONTROL

Based on:

- Internal/external group membership
- Block cut/copy/paste/printscreens
- Per: protocol, IP address, time schedule
- Security Policies

PROTOCOLS

SSL 3.0 and TLS 1.0

Remote access VPNs

Full, Split Tunneling, Local LAN Exception

Encryption

DES, 3DES, AES (256), RC4

Authentication

MD-5, SHA-1, RSA 1024, RSA 2048

REMOTE ACCESS METHODS

Web Access Terminal (WAT)

- For use with all browser-based applications
- Access through Web portal
- SSL VPN-Plus End Point Security enabled
- Access via any SSL-enabled browser
- Clientless

Virtual Application Terminal (VAT)

- For use with remote login and virtual desktop applications
- SSH, Telnet, Windows RDP, VNC
- Access via any SSL-enabled browser
- Session-only Java applets used
- Access through Web portal
- SSL VPN-Plus End Point Security enabled

Quick Access Terminal (QAT)

- For client-initiated TCP-based applications
- Access through Web portal
- SSL VPN-Plus End Point Security enabled
- Access via Microsoft Internet Explorer
- Java client

Full Access Terminal (PHAT)

- For use with all IP-based (TCP,UDP) applications
- Access via full access client (2MB footprint)
- Windows 2000, Windows XP, MacOS X, Linux
- Optional Access through Web Portal
- SSL VPN-Plus End Point Security enabled
- Layer 2-7 access controls

ENDPOINT SECURITY ENFORCEMENT

Up to 40 Security Zones based on:

- Access control policy per group/user
- End point security policy compliance

Pre-configured enforcement rules

By: files/process/registry entry/ports/service

Pre-configured enforcement policies

Anti-spyware (updated and active)

Anti-spam (updated and active)

Desktop search engine presence

Inbound port scanning

IP forwarding

Microsoft Windows

Service Packs (presence and updated)

Security patches (presence and updated)

Firewall enabled

Automatic Update activated

Internet Explorer security settings

Network Bridge enabled

Personal firewalls (presence and updated)

Cache cleaning

URL history

Temporary Internet files

Downloaded program files

Stored cookies

Virtual keyboard to prevent keylogging

AUTHENTICATION

Local database

RADIUS

LDAP

Microsoft Active Directory

RSA SecurID

SSL Client via digital certificates

Two-factor authentication via PKI, tokens

WEB PORTAL

Launch:

Desktop applications

Web Applications

Remote login and virtual desktop applications

Tools

MANAGEMENT

OPERATING SYSTEM

NHOS (NeoAccel Hardened Operating System)

NETWORKING

Static routing

Dynamic routing: RIP v1/v2, OSPF

DHCP

Address Pools

Network Address Translation (NAT, NAPT)

NTP

802.1q VLANs

HIGH AVAILABILITY

Active/Passive

DEVICE MANAGEMENT

Single-user and role-based

Command line interface

Console, SSHv2

Java-Based Web user interface

HTTP, HTTPS

LOGGING AND MONITORING

Local and external Syslog server logging

Logging

IP, port, user, resources accessed, login failures, bandwidth usage

Per-user statistics

3rd-party log analyzer-compatible

HARDWARE

CHASSIS

SGX-1200 Mini 1U, rack mount

SGX-2400 1U, rack mount

SGX-4800 1U, rack mount

Dimensions (W/H/D)

SGX-1200 16.7"x1.7"x14"

SGX-2400 16.7"x1.7"x 27"

SGX-4800 17.2"x1.7"x 26.8"

Weight

SGX-1200 17 lbs

SGX-2400 46 lbs

SGX-4800 46 lbs

Interfaces

SGX-1200 2x1000BaseT (RJ-45)

SGX-2400 4x1000BaseT

SGX-4800 8x1000BaseT

Hard Drives

SGX-1200 1x160G, Fixed

SGX-2400 2x160G, Hot-Swappable

SGX-4800 2x160G, Hot-Swappable

Hardware SSL Acceleration

SGX-1200 None

SGX-2400 Yes

SGX-4800 Yes

Power

All 100-240 VAC, 50-60 Hz

SGX-1200 260W

SGX-2400 400W, Dual, Redundant

SGX-4800 560W, Dual, Redundant

Temperature

Operational 5° to 40°C

Storage -40° to 70°C

Humidity 5% to 85%

Safety Compliance

cULus, CE

EMC Compliance

FCC Class A

ROHS Compliant

ORDERING INFORMATION

SSL VPN-PLUS APPLIANCES

NeoAccel SGX-1200 (100 concurrent users)

NeoAccel SGX-2400 (2,000 concurrent users)*

NeoAccel SGX-4800 (10,000 concurrent user)*

*Includes hardware acceleration

CONCURRENT USER LICENSES

SSL VPN-Plus Standard Edition

10-10,000 Concurrent Users

Maintenance and support agreements available through an authorized reseller, or by contacting NeoAccel sales support at +1 408 274 8000 for more information.

Technical assistance available through an authorized reseller or through NeoAccel support online at www.neoaccel.com/support.

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