



Array Networks SSL VPN Access Gateways enable anytime, anywhere secure access for employees, customers and strategic partners to business-critical resources — increasing corporate productivity and lowering IT overhead. Purpose-built for high-performance

access control and security, SPX Series systems deliver the headroom to extend access to remote and local users while maintaining both maximum security and instantaneous application response times.

■ Anytime Anywhere Access

Array Networks SPX Series systems are the gold standard for SSL VPNs, delivering powerful yet intuitive secure access to meet the needs of any size organization. Using SSL, the security protocol present in all Web browsers, the SPX Series enables clientless secure access from any location internal or external – LAN, WLAN, wireless hotspots, kiosks, corporate and employee-owned laptops, even mobiles and PDAs – to any information source, including email, file shares, applications, and other core business systems.

■ Maximum Security & Control

The SPX Series features unparalleled safeguards for protecting business critical information. With Array's end point security, uploads, downloads, and access to data are tightly controlled based on the administrator's comfort for a given device or access environment. What's more, an integrated firewall, reverse proxy architecture, and security hardened operating system ensure resources are as safe as they are secure. Strong authentication and authorization provide dynamic, controlled access for URLs, files, and applications based on user identity and role within the organization, while comprehensive auditing tracks all activity on a per user, per event, and per resource level. Additionally, the SPX application manager supports multiple access methods for Web, client/server, and native applications, making specific resources available as appropriate to maintain maximum security and control.

■ The Performance Leader

Typically, layers of protection add to security at the expense of application performance; and no matter how sophisticated a VPN is, it won't enhance productivity unless end users find it quick and easy. To this end, Array's high capacity platforms, proprietary SpeedStack™ packet processing technology, and integrated application acceleration sustain single-digit millisecond latency for up to tens of thousands of concurrent users, regardless of security level or complexity of configuration. With the purpose-built Array SPX, the compromise between security and performance is eliminated once and for all.

■ Evolving to Universal Access

With support for up to 64,000 concurrent users on a single system, the Array SPX Series is uniquely capable of serving as a universal access gateway for both temporary and established connections, inside or outside the corporate perimeter, fixed or wireless. Moreover, support for up to 256 fully secure virtual portals, again on a single system, enables instant DMZs and tailored, intuitive interfaces that meet the specific needs of each and every employee, business unit, customer, and partner. Evolving to universal access, security and access control are assured for all users, while TCO is greatly reduced through rock bottom cost-per-user and dramatic improvements in management efficiency.

Product Highlights

- **Anytime, anywhere secure access** for any user – internal or external, fixed or wireless – to productivity-enhancing corporate resources
- **Consolidated access control** for employees, partners, and customers on a single gateway enabling simplified management, increased security, and greater visibility
- **End-to-end, multi-layer security** including end-point security, integrated firewall, reverse proxy architecture, comprehensive AAA, and a security-hardened OS
- **Industry-leading application support** for email, portals, file shares, client/server & Web-enabled applications, and granular layer-3 connectivity from any device
- **Unmatched performance and capacity** for maintaining single-digit millisecond latency across thousands of fully secure and uniquely configured users
- **Superior end-user experience** through integrated application acceleration and 256 virtual portals tunable to the preferences of multiple communities of interest
- **Lowest TCO with the highest ROI;** no clients to install or manage on access devices, scalable to 64,000 users on a single system with invest-as-you-grow licensing, connection multiplexing increases server capacity ten fold

■ Effortless Management

The Array SPX offers both a CLI and a Web user interface that can easily be customized to create an intuitive management system. Monitoring the Array SPX is simple with SNMP-based monitoring tools such as HP OpenView, and with support for XML-RPC, a wide range of third-party applications can be used to automate management tasks.

End-to-End Security

End-Point Security

Host Checking

- Tests device state prior to allowing access
- Scans for personal firewalls, anti-virus, OS service packs
- Customized rules for a range of apps, registry checks, patches

Adaptive Policies

- Level of access conditional on end-point status
- Supports virtual instances
- Integrated policy management

Secure Virtual Desktop

- Limits user ability to store confidential information on unauthorized workstations
- Wipes all stored information when the session is over
- Stores information in an encrypted vault
- Controls local resources and ability to download session data into a local drive

Cache Cleaning

- Per-session with idle timeout and browser closure
- Windows 2K and previous generation Windows
- RedHat, Linux 9
- Mac OS X

Multi-Layer Security

Security-Hardened ArrayOS™

- Not subject to vulnerabilities of off the shelf operating systems
- System as secure as the information it protects

Wire-speed SSL VPN Firewall

- Content filtering
- Supports passive and active filtering
- Supports permit or deny policies
- Layer 7 filtering
- DDoS prevention
- Telnet Application-Layer Filter (ALF)

Fully Stateful Reverse Proxy

- Network gapping and separation
- All connections terminated on SPX, all traffic inspected
- Supports re-encryption on the back end

AAA

Authentication

- LDAP, Radius, AD, LocalDB, RSA SecurID, Swivel, Vasco, Cellphone, Custom
- Certificate based authentication
- Supports authentication server rating (search user credential in multiple servers)

Authorization

- Granular access control of resources
- Supports group and users policies
- Supports permit and deny policies
- Supports global users (remote + internal)
- Consolidated access control
- Provides high flexibility in configuration

Two factor authentication/authorization

- SSL Client certificates
- RSA SecurID
- Entrust
- Other RADIUS-based authentication systems

Single Sign-on

- NTLM
- HTTP Basic Authentication

Auditing

- Full audit trail in WebTrends WELF format
- Logs all user activity – success, failures, attacks

Application Support

Web-Based Applications

- 100% clientless Web-based applications
- Supports re-write of URLs found in HTML, JavaScript, HTTP cookies
- Ensures proper function of application beyond the corporate network
- Masks internal DNS and IP addressing
- Device Platforms Supported: Windows98SE, ME, 2K, XP, Linux, WAP/WML portal, BREW, Java-based cellphones, WinCE/PALM PDA

File Access

- SMB, DFS (Windows); NFS (UNIX)
- Browse and delete directories
- Upload, download and delete files
- Easy access
- Maintains original server policies (access rights)
- Supports NTLM single sign-on

Client/Server Application Manager

- Any client-initiated TCP applications
- Single port, multi-port, dynamic port
- Outlook, Lotus Notes
- Windows terminal services, Citrix Presentation Server
- Passive & Active FTP
- Windows XP remote desktops
- VNC servers
- Telnet

Thin Client Support

- Citrix Presentation Server applications
- Windows terminal services applications
- Telnet thin client

Layer 3 VPN

- Supports any IP based applications (TCP, UDP, NetBIOS)
- Allows IPSec traffic to be tunneled over SSL VPN
- Different network pools defined per user or group
- Split tunneling and full tunneling control
- Network drive mapping
- Automatic launch of network scripts/commands
- IP address assignment based on users, groups, DHCP and RADIUS
- Works in conjunction with all other resources
- Supports Windows98SE, ME, 2000, XP and LINUX
- Pre-installable client, web-delivered client

Application Acceleration

SpeedStack™ Technology

- Up to 10,000 SSL transactions per second
- Optimized packet flow reduces processing delay
- Single-digit millisecond latency

Hardware-based SSL Acceleration

- High performance engine
- Key exchange and bulk encryption performed in kernel
- Industry leading metrics

Hardware Compression

- Reduced download times
- Improves user experience, especially for slow speed links

Connection Multiplexing

- Reduces number of back-end connections
- Optimizes servers for greater efficiency

Availability & Scalability

- N+1 clustering
- Up to 32 systems per cluster
- Dual power supplies
- Up to 64,000 concurrent users per system
- Up to 256 virtual portals per system

Total Cost of Ownership

- Invest-as-you-grow feature and license packs
- No client installation or management for access devices
- Policies for all users in any location set on single system, simplifying management
- ROI increases as your business grows, no need for additional SSL VPN hardware
- Connection multiplexing increases application/server capacity ten fold
- Minimizes need for expensive servers and server software

Management

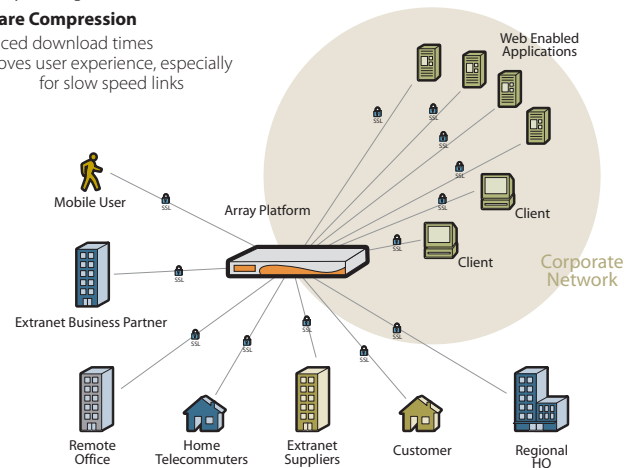
- Role-based administration
- Strong administrator authentication
- RADIUS accounting

Virtualization

- Up to 256 discrete virtual portals/user communities on a single system
- Delegated management
- URL aliasing (saves on certificates and IPs)
- Complete security and data separation
- Instant DMZ on demand
- Strong compliance assurance

Multi-device Management

- SSH/CLI, SSL/WebUI, SNMP, XML/RPC API
- Integration with Microsoft Operations Manager, HP OpenView



	SPX2000	SPX3000	SPX5000
SSL Processing	HW	HW	HW
Compression	SW	SW	HW
Ports	2 FE	2 Gig Eth	4 Gig Eth
Min User License	25	50	100
Max Concurrent Users	500	2500	64,000
SSL TPS	800	2200	10,000
Throughput	100 Mbps	300 Mbps	850 Mbps
Max SSL Sessions	4000	20,000	100,000
Form Factor	1U	1U	3U
Power Supply	Single	Single	Dual

Technical Specifications

Support	Bronze, Silver, Gold & Platinum Level Support Plans	Dimensions	Array SPX2000 17" W X 15" D X 1.75" H or 1U Array SPX3000 17" W X 15" D X 1.75" H or 1U Array SPX5000 17" W X 23.5" D X 5.25" H or 3U
Warranty	1 year Hardware; 90 day Software	Weight	Array SPX2000/3000: 14 lbs; SPX5000 36.5 lbs
SPX 2000 Standards	2 Port 10 Base-T/100 Base-TX, IP, SecurID, SSL-TLS, HTTP 1.0/1.1, SNMP	Environmental	Operating Temperature: 0° to 40°C; Humidity: 0% to 90%, non-condensing SPX2000/3000: 100-240VAC, 8-4 A, 63-47Hz, Auto-ranging SPX5000: 100-240VAC, 6 A, 50-60Hz, Auto-ranging, Redundant, Hot Swappable
SPX 3000 Standards	2 port 10/100/1000 Base-TX, IP, SecurID, SSL-TLS, HTTP 1.0/1.1, SNMP	Regulatory compliance	Emissions: FCC, ICES, VCCI, MIC, BSMI, AS/NZS 3548, Compliance EN 55022, EN 55024 Class A; EN 60950, UL 1950, CAN/CSA 950, NOM
SPX 5000 Standards	10/100/1000 Base-TX, 1000 Base-SX, IP, SecurID, SSH, SSL-TLS, HTTP 1.0/1.1, SNMP	Safety	CSA, CE, UL
Management	SSH CLI, Direct Console CLI, SNMP, Single Console for Cluster, Array Pilot™ (Secure WebUI) for Array OS, XML-RPC		
Console port	Male DB9 Serial (RS232) Port		