ACCELPRO SECURE ACCESS SERIES

APG700, APG1400, APG2800, APG5600, & VIRTUAL APPLIANCE

30 X FASTER, 2 SECONDS CLIENT LOGIN TIME, END TO END SECURITY WITHOUT COMPROMISING NETWORK PERFORMANCE

PRODUCT OVERVIEW

AccelPro Next Generation SSL VPN Appliances and Virtual Appliance meets the requirement of all the sizes and verticals of the market. The AccelPro SSL VPN Series is powered by HPAA technology, which enhances the Network performance and provides LAN like user experience to Mobile and Remote Users. AccelPro Appliances are equipped with Award winning AccelPro Hardened Operating System (AHOS) which provides Easy & Fast Secure Remote Access, Stronger Authentication, Endpoint Compliance, Automatic Network and Application Access Controls and End to End Security without compromising on performance. Due to its innovative HPAA technology, AccelPro devices are the true carrier class products available in the market, handling tens of thousands of simultaneous users connections without degrading performance and can easily be integrated with MPLS and PSTN Networks.

Product Description

AccelPro Next Generation Secure Access Series, meet the needs of companies of all sizes. All the AccelPro SSL VPN platforms are powered with Innovative HPAA technology, which provides faster Remote Access making AccelPro Secure Access the choice of Enterprises. AccelPro Secure Access series is equipped with a unique Client Agent, which provides 2 seconds Client Login time and able to get a Virtual Private IP from the Secure Access Gateway within the same time, giving remote user a LAN like feel, resulting in amazing end user experience.

AccelPro, right from its inception, solved fundamental problem in existing SSL VPN's, delivering most performing Secure Access Solution. While other SSL VPN's merely provides access to web applications and intranet portals, but fails to meet fast remote access to client-server applications and other network resources. The performance degradation in other SSL VPN limit them as SMB solution. While AccelPro platforms are carrier class products, providing high scalability and accelerated throughput around 30 X faster, meeting the requirements of Enterprise and ISP customers.

AccelPro range of products provide scalability starting from 50 simultaneous users to 20,000 simultaneous users on single hardware meeting needs of a small business to large Enterprise house to ISP or Service Provider. Performance and fast client login time makes AccelPro platforms unique and different from other products, addressing much needed requirement for faster remote access without compromising on the security of the networks. With unique HPAA™ technology, AccelPro platforms are able to deliver throughput faster than clear traffic even after the encryption of data packets. AccelPro sells APG-700, 1400, 2800, 5600, 6200 Appliances along with advanced Virtual SSL VPN Appliance which can run on VMware
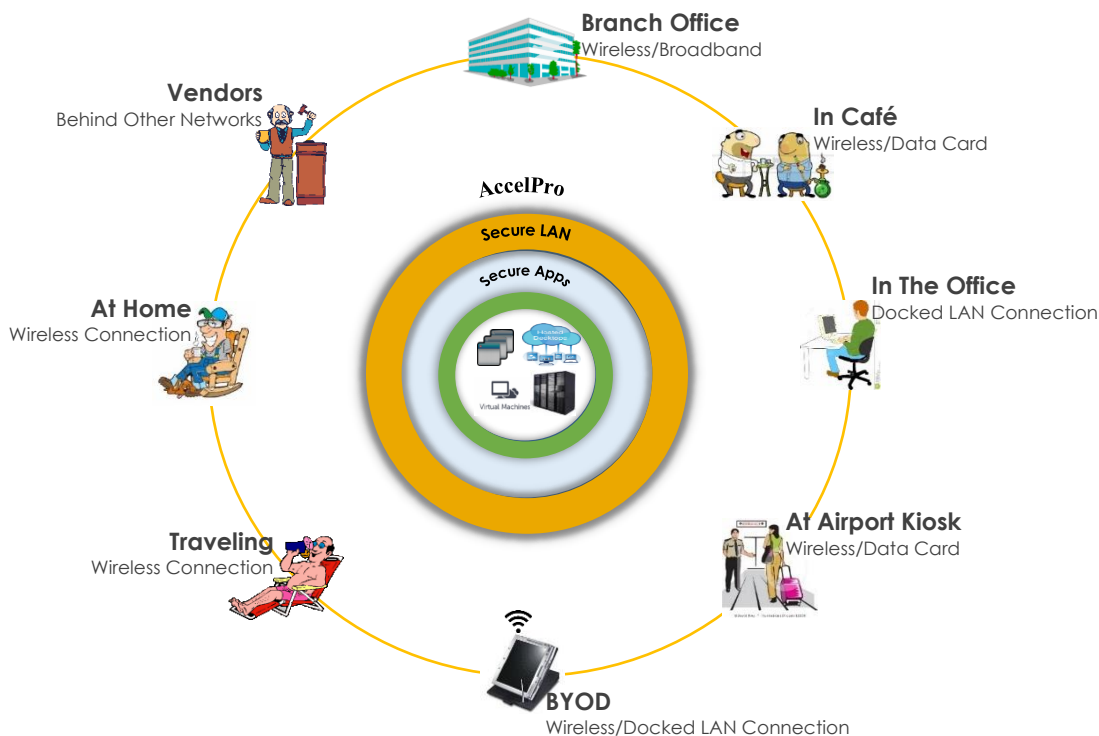
Easy Access, Anytime, Anywhere, Anydevice

Using AccelPro Next Generation Secure Remote Access solution, organization of all sizes, can provide access to their centrally hosted Applications, Network Resources from Anytime, Anywhere and Anydevice with End to End Security without compromising on performance.

High Performance

AccelPro provides unique Client Agent, supporting all Client platforms, is powered with HPAA™ technology, which boost the performance upto 30 times, along with 2 Seconds Client Login time, which is unique with AccelPro, giving highly fast Access to Applications and Network Resources, resulting in LAN like user experience over broadband.

Increased User Productivity

Helping user to get securely connected with their organization network from Anywhere, Anytime and Anymachine. AccelPro solution, provides Strong Authentication, Encrypted Data Packets, Role Based Access Controls, Automatic Network Access Controls, Application Execution Controls, Endpoint Compliance and Complete User Reporting. All with the ease of creating and managing from central location and auto-updating Client Agents.

Increased Security

Delivering Granular Access Controls on the basis of Groups, providing specific Access to specific User, enabling Network Security till Layer-7.

Always Connected – Remote Access

Delivering Fast and Secure Remote Access to all types of roaming users for your Network, whether your employees are traveling and trying to Access your Network from hotel or at Airport using their Data-Card or sitting at home using broadband internet or even at large Enterprises sitting at other VLAN's or users trying to Access your Network from a remote branch or your vendors trying to Access their vendor portals or other applications. Different type of Access is provided to different users in your Network.

More Flexibility

With AccelPro Virtual SSL VPN, which offers all the features and benefits of AccelPro Hardened Operating System, can be installed on any Virtual Environment, such as VMware or Citrix Xen, providing ultimate flexibility and ease of use to install AccelPro solution as a Software, anytime and anywhere. Solution image can be replicated to other Virtual Environment within few minutes, providing high Return on Investment using your existing Virtual Infrastructure.
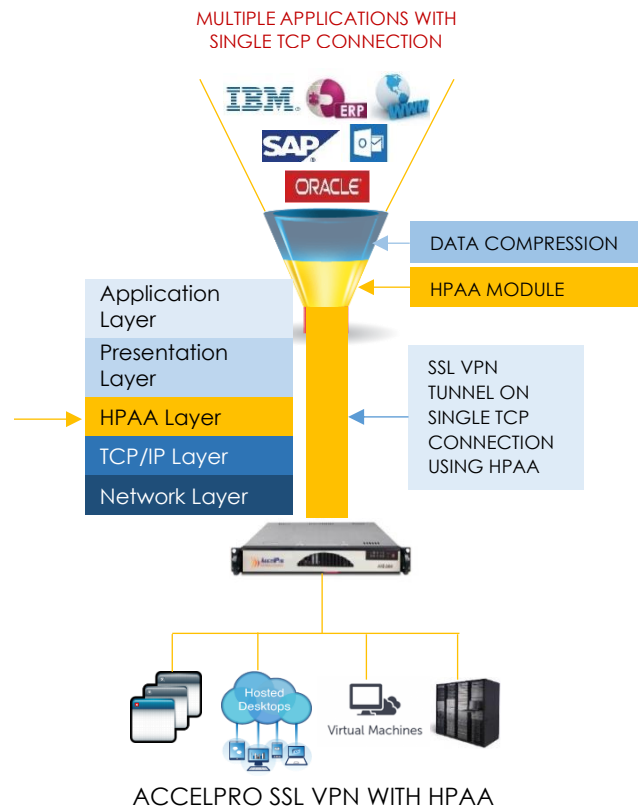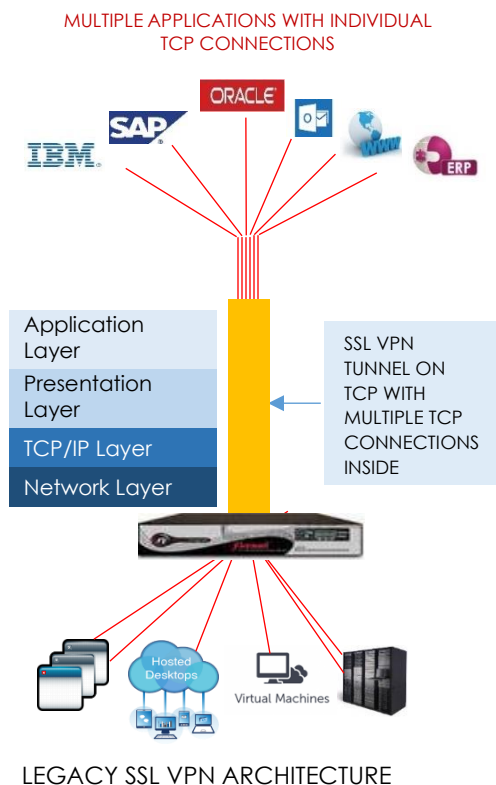
Block Unwanted Access

With Endpoint Compliance Policy Engine, you can quickly and easily verify the Remote User, and validate the Endpoint Compliance as per your Corporate IT Policy, providing Dynamic Access on the basis of Endpoint Security Scan results.

Decrease Cost

Reduce deployment and support cost with centrally managed, simple deployment, auto updating Clients and Virtual Platform.

Hybrid Performance Acceleration Architecture

Legacy SSL VPN solutions creates individual TCP sessions for individual Applications inside SSL TCP connection, which results multiple TCP sessions meltdown, resulting in connection breakdown and poor performance. Solving this fundamental drawback in existing legacy SSL VPN's, AccelPro uses HPAA™, Patent pending technology, which provides all Applications packets inside single SSL TCP connection, resulting fastest SSL VPN ever, eliminating fundamental flaw of legacy SSL VPN's.

MULTIPLE APPLICATIONS WITH INDIVIDUAL TCP CONNECTIONS

MULTIPLE APPLICATIONS WITH SINGLE TCP CONNECTION

DATA COMPRESSION

HPAA MODULE

Application Layer
Presentation Layer
TCP/IP Layer
Network Layer

SSL VPN TUNNEL ON TCP WITH MULTIPLE TCP CONNECTIONS INSIDE

Application Layer
Presentation Layer
HPAA Layer
TCP/IP Layer
Network Layer

SSL VPN TUNNEL ON SINGLE TCP CONNECTION USING HPAA

Hosted Desktops
Virtual Machines

LEGACY SSL VPN ARCHITECTURE

Hosted Desktops
Virtual Machines

ACCELPRO SSL VPN WITH HPAA

HPAA Benefits

Client Login

Legacy SSL VPN's take around 25-30 seconds for Full Access Client to Login, get Authenticated and get a Virtual IP, making user to wait for a significant time. Solving this problem, AccelPro unique Full Access Client, powered with HPAA technology, just takes 2-3 Seconds, resulting excellent User Experience and provides LAN like feel.

Performance

Fundamental Architecture failure in Legacy VPN's always demotivated Enterprise customers to migrate to SSL VPN solution for large deployments. Breaking those barriers, AccelPro with Innovative break through, solved this fundamental flaw with unique Patent Pending HPAA™ technology, results in 30 X Performance Enhancement, resulting in Next Generations of VPN's.

Stability

Prominent problem with Legacy SSL VPN is frequent Client disconnect due to multiple TCP connections inside SSL TCP tunnel, making them unusable solution for critical Applications Access. In live tested scenarios, Legacy SSL VPN Client could last connected for 3-4 hours while in the case of AccelPro Client kept continuously connected upto 72

Hours, resulting highly Stable Client Connection. Due to architectural flaw in Legacy SSL VPN, they break connection even if there is a single drop in the internet connection, while due to HPAA, AccelPro Client remain connected even if there are upto 10 continuous drops in the Internet connectivity.

Voice & Video

Legacy SSL VPN fails to support Voice and Video data, while AccelPro is faster than Clear Traffic, makes it possible to support Voice and Video data without any frame delay, making them Next Generation of VPN's.

Scalability

AccelPro Platforms are the only true Carrier Class products, providing 4 Gbps of throughput, capable of taking 20000 simultaneous users on single hardware at any point due to unique HPAA™ while Legacy SSL VPN's fails drastically even to scale upto 5000 CCU.

Latency

Due to unique HPAA™ technology, AccelPro injects data latency less than 10 Mille Seconds as compared to 30 Mille Seconds in Legacy SSL VPN, resulting Enterprise Class product, supporting all type of Applications and Data.

Architecture & Key Components

All the AccelPro SSL VPN series is powered with Innovative AccelPro HPAA™ technology, meeting the requirements of all size of companies, starting with Small and Medium Business to Enterprise and Large Enterprise Houses to ISP's and Service Providers.

- **APG700** Appliances address Small & Medium Businesses to deploy Granular, Cost Effective Secure Remote Access Solution for their Roaming Users, Small Branches and Cloud Access to their hosted Applications. APG700 is loaded with standard AccelPro Hardened Operating System (AHOS), which has all the standard features available in the entire range of Appliances, makes this product more attractive, providing complete ROI. APG700 Appliance is designed to easily handle upto 50 Concurrent Users on single Appliance and supports High Availability Active – Passive Cluster for Failover along with Client HA.

- **APG1400** Appliances address the needs of Enterprise customers to deploy Granular, Cost Effective and Robust Solution, Providing Fast Secure Remote Access to their Roaming Employees, Dealer Network, Vendors, Small and Remote Branch Offices, Cloud Access to their hosted Applications having better throughput and same New Connections Per Second as the high-end Appliance making it most saleable product in the entire series with best Return on Investment. APG1400 is loaded with standard AccelPro Hardened Operating System (AHOS). APG1400 Appliance is designed to easily handle upto 250 Concurrent Users on a Single Appliance and supports High Availability Active – Passive Cluster for Failover along with Client HA. Unique scalability option upto 250 CCU, makes APG1400 Appliance as the cost effective and Value Added Hardware Solution for most the companies, meeting their basic Secure Remote Access needs in this range. APG1400 Appliances provides powerful performance in this segment, leaving competitive solution far behind in value for money Proposition. APG1400 Appliances are state of art, advanced hardwares with zero noise, low power consumption, high throughput and practicing all International Security Standards with Green Technology.

- **APG2800** Appliances are specially designed for Large Enterprises, offering high scalability upto 3000 Concurrent Users on a single hardware with highly accelerated throughput of 1 Gbps. Large Enterprise customers can put heavy load on APG2800 gateways without worrying on Network performance. Along with all the standard features mentioned above, APG2800 systems can also be Virtualized using any standard Virtual Environments like VMware or Citrix Xen, where Large Enterprises can have multiple Virtual SSL VPN gateways to meet their larger Networks scenarios and Global footprints. APG2800 is loaded with AccelPro Hardened Operating System, providing best in class features along with Virtualization Enabled, making them best solution available in this segment, providing complete Enterprise deployment.

- **APG5600/6200** Appliances are the only, most powerful, yet energy saving SSL VPN hardwares available globally. Providing industry leading SSL VPN throughput upto 4Gbps on a single hardware, making them leading SSL VPN hardware solutions. APG5600 is designed to handle upto 10,000 Concurrent Users while APG6200 can handle upto 20,000 Concurrent Users at any point of time. Both the platforms support Virtual Environments like VMware or Citrix Xen or Microsoft. Hundreds of Virtual Machines can be created on each hardware instantly and each Virtual Machine can be configured as a dedicated, separate SSL VPN gateway, delivering only such solution by any SSL VPN vendor worldwide. This unique capability of these devices, enable Service Providers to launch Managed VPN Service with separate Virtual SSL VPN machines for each client, providing dedicated Admin Controls and separate reporting for each customer. For more information on AccelPro Virtual SSL VPN offering, please ask for a separate document from your local AccelPro Representative. Both the Appliances supports High Availability Active – Passive Cluster for Failover along with Client HA. Innovative HPAA™ technology, enables these platforms as industry leading solution, eliminating performance degrading flaw in legacy SSL VPN solutions, which kept them as SMB solution.

- **Virtual SSL VPN** Appliance delivers Industry leading, Virtual SSL VPN platforms fulfilling the requirement of Service Provider for managed VPN service. They can host thousands of independent dedicated SSL VPN virtual machines on VMware. Each VM will act as a fully independent virtual SSL VPN gateway, and can be fully configured for independent customer. AccelPro Virtual SSL VPN solution, Service Providers can provide most affordable, scalable and dedicated virtual machines hosted on single hardware solution with better performance. AccelPro provides true carrier class solution for ISP with its innovative HPAA™ technology which eliminates the barriers which kept SSL VPN solution for small deployments. With quick client login time which is about two seconds in AccelPro, service providers can securely provide SaaS (Software as a Service) with better user experience to their customers. AccelPro Virtual SSL VPN Appliance offers all the features of award winning AHOS. The solution is highly scalable depending upon the hardware configuration on which AHOS is loaded. For more information on AccelPro Virtual SSL VPN offering, please ask for a separate document from your local AccelPro Representative.

For detailed hardware product specifications, please refer to the given Hardware Specifications table at the end of this document. For the latest feature set and product specification, please consult your local country AccelPro Representative or write to support@accelpro.net or contact your in country AccelPro Authorized Reseller.

Features and Benefits

AccelPro Hardened Operating System is an advanced OS, providing complete Secure Remote Access features powered with Innovative HPAA™ technology and unique AccelPro Full Access Mode Client which offers rich features, enabling End to End security, and fast Network and Applications Access from Anydevice, Any Platform and from Anywhere.

Features	Description	Benefits
Layer 3-7 SSL VPN	• Unlike IPSec VPN's, provides connectivity starting from Network Layer till Application Layer.	• Granular Access Control till Applications, can map hard drives, Folders, Machines. • Group based Granular Access Control, Role based Access, better Access Controls.
Seamless Access	• Anytime Access from Anywhere and Anydevice, Automatic Client Installation, Small Client of 1.4MB	• Access from Anywhere, Anytime and Anymachine • Mobility VPN for Full Network Access with Endpoint Security • Zero Support Calls, can bypass any firewall, All Applications supported on single port 443
Application Support	• All IP based Applications (TCP, UDP), Web Applications, Port based Applications, Legacy Mainframe Applications supported	• Complete range of Applications supported. • Better Return on Investment. • Complete Enterprise Solution for Mobility VPN.
Firewall	• Does State full Packet Inspection	• Providing enhanced and better Network Security.
Access Controls	• Group based Network Access Controls on the basis of IP Range, Entire Network, a Single IP Address or Host Name, Specific Ports, Specific Protocols. • Group based Network Access Controls on basis of Source IP, Destination IP, Source IP Range, Destination IP Range, Date and Time of Access, Specific Time period.	• Full Featured Network Access Controls. • Better Network Security. • Group Based Access, providing different Access to different persons. • Enhanced Network Management. • Better End User Controls. • Better User activity reports. • Virtual DMZ for Remote Users.
Protocols	• SSL3.0, TLS1.0 • Ciphers: DES, 3DES, AES, RC4 Authentication • Hashes: MD5, SHA-1, RSA1024, RSA2048 • PKI Support: PKCS7, PKCS10, PKCS11, Self-Signed Certificates, External CA, Certificate Revocation List Import, Embedded Certificate Authority.	• High Data Security. • World-wide Standard SSL Protocol for Data Encryption, providing seamless Access without support calls. • Enables strict standard compliance for certificate validation who uses advanced PKI deployments. • Helps simplify administration, certificate bases Identity Access Management, providing better end user security.
Deployment Scenarios	• In-Line Mode, External DMZ, Internal DMZ, Parallel Mode, Single Arm Mode, Multiple Subnet Access	• Supports variety of deployment options, meeting requirements for complex and large Networks. • Deployment with minimal Network changes.
Networking	• Static IP Assigement per user, using Radius Framed – IP Attribute, DHCP Client-Server Relay, HPAC Client, Group based DHCP Server (IP Pool), Group based Routing Rule Inserted, Group based DNS inserted, IP Alias, Static Route, Dynamic Route, Policy Route, VLAN Tagging – 802.1q	• Virtual IP's allocated dynamically from separate range, hence saving local LAN segment IP's. • Different IP Pool for different Groups, resulting better Network Management. • Group based DNS, providing different DNS resolution for different users, increasing ease of use.

Features	Description	Benefits
Split Tunnelling Full Tunnelling	• Split Tunnel deployment • Full Tunnel deployment	• Provision to configure groups and Full Access Client in Split or Full Tunnel modes, resulting Network Segmentation and better End User Controls.
Authentication	• Local Data Base, LDAP, RADIUS, Windows Active Directory, Windows Domain Login (NTLM). • X.509 Digital Certificates, RSA Secure ID Certified, Two Factor Authentication Vis USB Token. • Computer Authentication via System Information. • Single Sign on via NTLM / Kerbos. • Dynamic Authentication based on Host Scan (EPC) result. • Disabled Authentication, Extract Authorization Information from other Auth Servers, Authentication Servers Cascading. • Prevents Multiple Logons by same User, Extract User name/Group Information from Certificate	• World standard Authentication protocols supported, resulting in easy integration with AD, Radius or LDAP servers. • Result in ease of use, managing strong Authentication. • Provides seamless Access with a Single Sign On to Corporate Applications. • Simplified End User experience. • Identity of User Machine by binding MAC ID or CPU ID, avoiding un-authorized Access to Corporate Network, resulting better Network Security. • Providing better End User controls, maximizing Return on Investment, increasing efficiency via maximum utilization of available resources. • Increasing overall efficiency of Networks. • Achieving dynamic Access Controls, resulting in enhanced security, 24X7 automatically.
Challenge Response	• SMS based One Time Password Authentication	• Having inbuilt functionality of Challenge Response, resulting in supporting SMS based OTP integration, providing advanced authentication mechanism.
Hardware Inspectors	• Binding MAC, CPU ID, HDD ID of End User Machine with AccelPro Gateway	• Identity of User Machine by system information, avoiding un-authorized Access to Corporate Network, resulting better Network Security.
Endpoint Compliance	• Scanning End User Machine for Anti-Virus, Anti-Spyware, Anti-Malware, Personal Firewall, OS Patches, Processes, Windows Services	• Dynamically block Non-Compliant Remote Machines, irrespective of genuine User credentials, enabling Automated Network Access Controls, resulting 24X7 Network Security and Compliance.
Application Execution Controls	• Block Applications to run, block Applications to Access VPN	• Provides stringent End User Controls for better Compliance and policy based Access.
Integrated Applications	• Publishing generic RDP, Telnet, VNC, SSH on to the User Portal. • Publishing FTP Server on to the User Portal	• Providing seamless Access for generic Applications over User Portal, resulting ease of user, better User experience.
Client Platforms	• Client OS and Web Browsers – 32 and 64 Bit versions of Windows98, Windows2000, Windows XP, Windows7, Windows Vista, Windows8, MAC OS X, Leopard and Snow Leopard, Linux Fedora Core, Debian 3.1, Knoppix 3.6, Red Hat, Suse Linux, Internet Explorer 5, 6, 8, 9 and 10, Firefox, Chrome, Netscape, Safari, Opera.	• Supporting all End User platforms, ranging from Windows, MAC and Linux. • Providing seamless Access from Anywhere, Anymachine. • Ease of use, Always connected Access.

Features	Description	Benefits
Protective Services	• Browser Cache Cleanup. • Application Cache Cleanup. • History Cleanup, Stored Passwords and URL Clean up. • Block Cut, Copy and Paste functions, Blocks Printing Functionality, Force Virtual Keyboard, Dissallow Save-Password on user machine	• Secured Corporate Network Access from public Networks and public machines. • Protecting Vital Network information from public systems, resulting end to end security. • Group and Policy based Access and enforcing corporate policies to restricted Remote Users. • Enforcing better Security practices, achieving complete information security.
User Portal	• Customizable Portal Login Page, Different Portals on Authentication Profiles. • Customize Logo, Banner, Graphics, Messages on Portal, Welcome Notice/Alert Users. Auto-Download Full Access Client, Launch Applications,	• Can easily customize User Portal providing better feel to users. • Automatically downloading and starting Full Access Client on Portal Logon, resulting automation of Client downloading, making easy for general users who does not understand IT parameters well, resulting in support free environment and better user productivity.
High Availability	• Gateway side Active-Active, Active-Passive, Client side HA for multiple ISP connections.	• Providing Enterprise solution for Gateway Failover, resulting 100% uptime, continuous Applications and Network Resources availability. • Unique functionality of defining multiple public IP's in Client package, resulting Client connecting with available live public IP automatically, delivering High Availability of Applications all the time.
Logging, Reporting	• Local and External Syslog Server • 32 Log Filters • Graphical Live Reports • Weekly Graph Reports • Export logs as XLS sheet	• Providing complete user activities and reports. • Unique 32 Filters to quickly extract large reports, such as User Name, Application, Source IP, Destination IP, Port, Date, Time, Group etc. • Live Users stats, like total Users connected, Groups, Source IP, Virtual IP, and Public IP. • Graphical representation, resulting easy and quick understanding of User Activities.
Site to Site VPN	• SSL based Site to Site connectivity between two or more AccelPro devices. • Data Compression between two devices.	• Unique SSL based Site to Site tunnel between two or more appliances eliminates needs of IPSec VPN. • Results in Enterprise deployments, providing complete VPN offering, helping in connecting international offices.
Device Management	• Single User with Full Rights • Restricted Access • Read-Only Access • Java based Web User Interface	• Providing different Management Controls, resulting policy based Management Controls. • Admin User logging for different Users and their activities. • Useful in Managed VPN Service, providing Read-Only Access to multiple customers.
Full Access Client	• TCP Compression, Optimized Data Compression. • Specialized Audio and Video data Processing. • Silent Mode Operation • Port Forwarding and Reverse Proxy	• 30 X Faster Applications and Network Resource Access, 2 Seconds Client Login Time, LAN like User Experience. • Excellent Performance on Voice and Video Data without any frame delay, Provisioned to provide Client login silently leaving user unaware of SSL VPN connections, Endpoint Compliance and other security features
WAN Acceleration	• HPAA, TCP Compression, Optimized Compressions, Traffic Engineering	• HPAA enabled platforms, providing faster Network and Application Access, providing most stable SSL VPN, high scalability

Features	Description	Benefits
Connectivity Options	• Ideal User Session Timeout • Client Auto Reconnect	• Ideal session time can be defined, after that time user gets disconnected, ensuring optimized usage of available resources. • Client Auto Reconnect functionality reconnects Full Access Client automatically in case of internet drops, resulting better End User Experience.
Firewall By-Pass	• Communication on Single Port 443, unlike IPSec where multiple Applications Ports to be opened • Seamless Access • Zero Support Calls	• Can provide Access to N number of Applications using Single Port – 443, which is secured Port, opened on every Firewall by default, hence providing seamless Access to Any Application from Antwhere, resulting in Zero Support Calls.
Web Access Mode	• Web Applications, Access thru Web Portal, Clientless Mode	• All Web Applications can directly be published on User Portal, no need to install any Client, resulting in Clientless and Easy Access from Anywhere.
Easy Access Mode	• Client – Server Applications Access in Clientless Mode, All TCP based Applications, Endpoint Security enabled Access using Java Applet	• Supporting Client-Server Application Access without installing any VPN Client on End User machine, resulting automated process using Jave Applets, providing Easy Access to complicated Applications.
Full Access Mode	• All IP based Applications, All TCP, UDP based Applications, Client-Server Applications, All types of Web Applications, All legacy Applications, Full Network Access like LAN, Layer 2-7 Access, Endpoint Security and Compliance, Assignment of Virtual IP.	• Providing End to End Security. • Resulting in Restricted and Policy based Access. • Resulting in Network Access Controls. • Enforcement of corporate IP policies and Compliance. • Supporting all kind of Applications in their native format, resulting LAN like user experience, without support calls and seamless Access from Anywhere.
VDI Support	• Supporting VMware View Manager and Client. • Deploy Virtual Desktop with AccelPro Appliances	• Secured Access for VMware View Clients, resulting in End to End Security. • High Performance for VMware View Clients to Access Virtual Desktops and Applications with unmatched User Experience.
Role Based Access	• Different Access on the basis of different User, User Machine and Network Parameters	• Role based Access on the basis of User Name, User Group, Machine Scan Results, System Parameters such as Session ID, MAC ID, resulting Automated, Policy based Network Access 24X7.
Hardened Security Appliance	• Designed and Developed as a Purpose-Built Operating System.	• Only concerned RPM's and meaningful Services running into Operating System, thus Purpose Built Hardened Operating System, resulting less susceptibility for attacks and blocking any Back Door Entries for Hackers.
Kernel Level Security Services	• Built in Security Services with in TCP Stack inside Kernel for Data Packet Filtering.	• Dropping Un-Authenticated and Undesirable Packets in side Kernel, avoiding TCP Stack processing, resulting Secured Computing and eliminating any attacks such as Denial of Service or DDoS.
Mobile Device Support	• Supporting multiple PDA or Mobile devices such as iPhone, iPAD, Android Devices or Windows Mobile Platforms	• Providing Secure Remote Access to all Mobile Platforms such as iOS, Android or Windows without the need of installing any Client, using their inbuilt IPSec Clients, hence supporting all Client-Server or Web Applications, resulting Easy Access from on the Go.

Specifications

	APG700	APG1400	APG2800	APG5600	APG6200
Performance					
Throughput	100 Mbps	500 Mbps	1 Gbps	2 Gbps	4 Gbps
Maximum CCU	50	250	3000	10000	20000
Logins / Second	1200	2400	3200	3200	3200
SSL Transactions / Sec	12000	24000	24000	24000	24000
Latency	< 10 Mille Sec	< 10 Mille Sec	< 10 Mille Sec	< 10 Mille Sec	< 10 Mille Sec
Interfaces					
Traffic	2 RJ-45 Ethernet – 10/100/1000, Full or Half Duplex (Auto Negotiation)	2 RJ-45 Ethernet – 10/100/1000, Full or Half Duplex (Auto Negotiation)	2 RJ-45 Ethernet – 10/100/1000, Full or Half Duplex (Auto Negotiation)	2 RJ-45 Ethernet – 10/100/1000, Full or Half Duplex (Auto Negotiation)	2 RJ-45 Ethernet – 10/100/1000, Full or Half Duplex (Auto Negotiation)
Management	One RJ-45 Serial Console Port	One RJ-45 Serial Console Port	One RJ-45 Serial Console Port	One RJ-45 Serial Console Port	One RJ-45 Serial Console Port
USB Ports	2	2	2	2	2
Dimensions and Power					
Dimensions	17.2"X1.7"X9.8"	17.2"X1.7"X11.3"	16.8"X1.7"X14"	17.2"X1.7"22"	17.2"X2.4"X27"
Rack Mount	Mini1U,RackMount	1U, Rack Mount	1U, Rack Mount	1U, Rack Mount	2U, Rack Mount
Weight	4.5 Kg	5 Kg	5 Kg	6.4 Kg	17 Kg
Operating Temp	5° C - 35° C	5° C - 35° C	5° C - 35° C	10° C - 35° C	10° C - 35° C
Storage Temp	-40° C - 60° C	-40° C - 60° C	-40° C - 60° C	-40° C - 60° C	-40° C - 60° C
Operative Humidity	8% - 90% (Non-Condensing)	8% - 90% (Non-Condensing)	8% - 90% (Non-Condensing)	8% - 90% (Non-Condensing)	8% - 90% (Non-Condensing)
Storage Humidity	5% - 95% (Non-Condensing)	5% - 95% (Non-Condensing)	5% - 95% (Non-Condensing)	5% - 95% (Non-Condensing)	5% - 95% (Non-Condensing)
Power Supply	200W with PFC	200W with PFC	200W with PFC	350W Redundant	400W Redundant
AC Voltage	100 – 240V, 50-60 Hz, 3-1.5 Amp Max	100 – 240V, 50-60 Hz, 3-1.5 Amp Max	100 – 240V, 50-60 Hz, 4 Amp Max	100 – 240V, 50-60 Hz, 4.2-1.8 Amp Max	100 – 240V, 50-60 Hz, 6-3 Amp Max
Panel Display					
Buttons	Power On/Off, System Reset	Power On/Off, System Reset	Power On/Off, System Reset	Power On/Off, System Reset	Power On/Off, System Reset
LEDs	Power, HD Activity, 2X Network Activity, System Overheat	Power, HD Activity, 2X Network Activity, System Overheat	Power, HD Activity, 2X Network Activity, System Overheat	Power, HD Activity, 2X Network Activity, System Overheat	Power, HD Activity, 2X Network Activity, System Overheat
Regulations					
Power Supply	USA-UL Listed, FCC, Canada-CUL Listed	USA-UL Listed, FCC, Canada-CUL Listed	USA-UL Listed, FCC, Canada-CUL Listed	USA-UL Listed, FCC, Canada-CUL Listed	USA-UL Listed, FCC, Canada-CUL Listed
Compliance	EN 60950/IEC 60950 – Compliant, ROHS	EN 60950/IEC 60950 – Compliant, ROHS	EN 60950/IEC 60950 – Compliant, ROHS	EN 60950/IEC 60950 – Compliant, ROHS	EN 60950/IEC 60950 – Compliant, ROHS
Certifications	Europe /CE Mark, Germany – TUV Certified	Europe /CE Mark, Germany – TUV Certified	Europe /CE Mark, Germany – TUV Certified	Europe /CE Mark, Germany – TUV Certified, 80 Plus Gold	Europe /CE Mark, Germany – TUV Certified, 80 Plus Gold
Resources					
Hard Disk	500 GB	500 GB	500 GB (1TB-Optional)	1TB (2TB-Optional)	2TB (4TB-Optional)
Warranty	90 Days*	90 Days*	90 Days*	90 Days*	90 Days*

*Standard Warranty along with Product Purchase, Can be Extended with Support Contract

AccelPro Virtual Appliance (AVA) Specifications

	50 CCU	250 CCU	3000 CCU	10000 CCU	20000 CCU
Hardware					
Minimum RAM	1 GB	2 GB	8 GB	64 GB	128 GB
Recommended Processor	Atom or Above	Intel i3 or Above	Intel Xeon	Intel Xeon Multicore	Intel Xeon Multicore
CPU	1	1	1	4	8
Clock Speed	1.8 GHz	3.3 GHz	3.3 GHz or Above	3.6 GHz with Multicore Support	3.6 GHz with Multicore Support
OS Disk Space	1 GB	1 GB	2 GB	10 GB	20 GB
Hard Disk Space	As Much Needed	As Much Needed	As Much Needed	As Much Needed	As Much Needed
Network Interfaces	2	2	2	4	4
Platforms					
VMware Player	Supported	Supported	Supported	Supported	Supported
VMware Workstation	Supported	Supported	Supported	Supported	Supported
VMware v Sphere	Supported	Supported	Supported	Supported	Supported
Resources					
Warranty	90 Days*	90 Days*	90 Days*	90 Days*	90 Days*

*Standard Warranty along with Product Purchase, Can be Extended with Support Contract

High Availability & Clustering

AccelPro SSL VPN Series is equipped with advanced High Availability options both at Gateway as well as Client side. AccelPro Appliances can be scaled up for larger user loads or in the case of Service Providers, where Remote Users may scale up to 100,000 or more. To support such a large deployment, AccelPro devices can be Clustered using an external Load Balancer. Multiple AccelPro Appliances can sit behind any Load Balancer and Equal Distributed Load can be shared with each Appliance. AccelPro devices are equipped with Gateway Failovers. In case of primary Gateway goes down, Secondary AccelPro Gateway automatically takes over providing redundancy and High Availability.

Concurrent User Licenses

AccelPro provides common, single User Licenses, which provides all the functionalities and features of AccelPro Hardened Operating System (AHOS), unlike other vendors, where you need to buy different upgrades for different features set. This All in One License Policy, creates a transparent approach and maximum ROI to customers.

Similarly AccelPro Full Access Client also offers all the features and functionalities inbuilt with in single Concurrent User License. Apart to this, User Licensing is done on Concurrent Users at any point of time hitting AccelPro Gateway. You can download and install AccelPro Full Access Client on any number of machines, there is no restriction on that, but simultaneously X number of Users can be connected for X Concurrent Users bought. One connected User is equal to one SSL Tunnel, and within that Tunnel, User can Access N number of Applications, Network Resources, there is no restriction.

AccelPro Technologies Service & Support

AccelPro Products are proven best suited for for all the segments of market, giving better performance due to Innovative Technology making them unique and highly scalable, providing unmatched User experience. AccelPro Services provides optimization of your Networks and increases efficiency. AccelPro provides 24X7 support to its customers from its Global Technical Support Centers to maintain the operational efficiency for mission critical Applications and Resources. For Support Contract, ask your AccelPro Representative for more details.

Ordering Information

Model	Product SKU	Description
APG700	APG-700	SSL VPN Hardware supports up to 50 CCU, Requires CCU License Separately
APG1400	APG-1400	SSL VPN Hardware supports up to 250 CCU, Requires CCU License Separately
APG2800	APG-2800	SSL VPN Hardware supports up to 3000 CCU, Requires CCU License Separately
APG5600	APG-5600	SSL VPN Hardware supports up to 10000 CCU, Requires CCU License Separately
APG6200	APG-6200	SSL VPN Hardware supports up to 20000 CCU, Requires CCU License Separately
APVA	APG-VA	SSL VPN Virtual Appliance, Requires CCU License Separately, needs Virtual Environment
Concurrent User Licenses		
5-10 CCU	APU-10	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
11-25 CCU	APU-25	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
26-50 CCU	APU-50	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
51-100 CCU	APU-100	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
101-250 CCU	APU-250	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
251-500 CCU	APU-500	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
501 - 1000 CCU	APU-1000	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
1001 - 5000 CCU	APU-5000	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
5001 - 10000 CCU	APU-10000	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance
>10000 CCU	APU-PLUS	SSL VPN Concurrent User License, Required with AccelPro SSL VPN Hardware / Virtual Appliance

For More Information

To find out more about AccelPro Technologies products and solutions, please visit www.accelpro.net.

About AccelPro Technologies

Founded in July, 2011, AccelPro is a Fast Growing Indian Product Company into Secure Remote Access Products and Services with Innovative Approach, Having 100+ Enterprises and Telcos using AccelPro Secure Access Products to Secure their Networks. AccelPro addresses much needed requirement for Fast & Easy Secure Access solution, delivers next generation of Secure Access Products which helps Organizations of all sizes to Securely Access their Corporate Applications and Network Resources from Anymachine and Anywhere

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