



SSL360 Appliances



The SSL360 product range from Arkoon is a family of dedicated SSL VPN servers, for simple, secure remote access to corporate data and applications.

SSL VPNs create an encrypted communications channel to allow mobile and remote users access to business applications (email, intranet, remote desktop...) using nothing more than a standard web browser.



The SSL360 Family



The ease with which SSL virtual private networks can be deployed has resulted in SSL VPN technology becoming a key element of enterprise mobility architectures. Arkoon Network Security has designed the SSL360 product family to deliver the highest levels of security, performance, and ease of use.

S20 Series



The S20 Series is scaled for businesses supporting limited numbers of mobile users, recommended for around 20 users, depending on usage patterns.

Designed to bring SSL VPN technology within the reach of small and medium businesses, the S20 Series concentrates the full SSL VPN technology feature set in a small format appliance at an aggressive price point.

S100 Series



The S100 Series is a high performance appliance designed to meet the needs of enterprises with large mobile user populations.

The S100 will support around 100 users with typical usage patterns, but there is no "hard-wired" limit to the number of simultaneous users. A 50-user version, the S100R, is also available.

Three Application Access Methods



Once users have been identified and the SSL tunnel activated, Arkoon SSL360 appliances offer three different methods for accessing corporate data and applications:

1. Reverse Proxy mode for HTTP/HTTPS-based applications
SSL360 appliances include SWA (Secure Web Agent) technology, allowing transparent access to all web-based applications:

- Standard webmail applications such as OWA (native mode) and Lotus Domino iNotes
- Web clients for classic enterprise applications such as ERP or decision-support applications
- Custom Intranet applications

2. "Webification" of non-web applications

Remote desktop applications such as Citrix and Windows Terminal Server are not native web applications. SSL360 appliances enable web-based access to these and other applications through the use of Java applets or ActiveX components, or similar technology.

3. Virtual Passage for any IP-based applications

For applications which cannot easily be "webified", SSL360 appliances include Virtual Passage technology. Virtual Passage is a component which is automatically installed on the remote (client) PC and allows access to all authorized applications and resources on the corporate network.

The remote user has an IP address on the corporate network and can use proprietary client interfaces to transparently access ERP, email and other corporate applications and resources.

Virtual Passage technology can be considered a practical alternative to IPSec VPNs for mobile users; no installation or configuration is required on the client PC, dramatically reducing the cost of deployment and support.

Features and benefits



Connect anywhere

A standard web browser is all that's needed on the client PC to create a VPN SSL tunnel allowing access to most applications. And an SSL connection is typically not restricted by corporate firewalls, so it's easy to connect even from partner or customer sites.

BENEFITS //

- Secure access to corporate information resources, wherever your mobile users connect from.

Secure Extranets

Arkoon SSL360 appliances can implement multiple individualized portals, giving you pinpoint control over users and their access rights to corporate resources.

For each portal, you can configure:

- User interface graphics and text
- Supported applications
- Authentication procedures

BENEFITS //

- Strengthen network security: you decide who has access to which resources.



**Access
your information
wherever you are !**

Simplify VPN Rollout

Your mobile users already have the client software they need – their web browser.

SSL VPNs require no additional software installation or configuration on client PCs, facilitating rollout and support for the network manager.

BENEFITS //

- Reduce the costs of managing and supporting mobile users.

Part of a range of complementary security products, for a coherent information security architecture

The SSL360 product family is part of Arkoon's range of complementary information security products, sharing management, product update and technical support tools with the Arkoon FAST360 range of UTM appliances.

BENEFITS //

- Stronger security and reduced cost of ownership.

Secure Connectivity with Dedicated SSL VPN Gateways

1. Unlike IPSec, SSL is an application-layer protocol based on a web server as the access point, and a reverse proxy for encryption of web applications.

Recommendation: SSL VPN servers should never be integrated into a UTM security appliance or firewall. The presence of an application-layer service open to the exterior is a serious risk for the security of the device.

2. An SSL VPN server is an access and encryption appliance, and must not be used in place of a dedicated UTM appliance to filter and block connections at the entry point to the corporate network.

Recommendation: Arkoon SSL360 appliances are specialized appliances which should be installed on the DMZ of a UTM appliance such as the Arkoon FAST360 range, to ensure full protection of your network and communications: firewall, intrusion detection and prevention, antivirus...

With the SSL360 VPN server family and the FAST360 UTM appliance family, Arkoon offers all the elements of a watertight network security solution.

Specifications



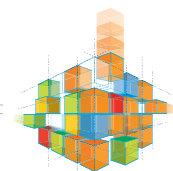
	S20R/ S20U	S100R/ S100U
Performance		
SSL VPN throughput (Mbps)	12	75
New SSL VPN connections per second	20	75
Number of pages per second	400	1 700
Number of simultaneous users authorised	10/Unlimited	50/Unlimited
New connections per second	500	1 000
Interfaces		
Console port	1	1
10/100 Fast Ethernet ports	2	2
Processor	533 MHz	2 GHz
RAM	256 MB	256 MB
Flash card	128 MB	128 MB
Rack Kit	yes	yes
Portal		
Multi portal management	yes	
Portal personalisation (Theme, logo, applications)	yes	
Support of multiple authentication domains per portal	yes	
Supported applications		
HTTP/HTTPS-based web applications (Webmail, standard, custom...): - Internet Explorer - Mozilla Firefox	All <i>Following Arkoon recommendations</i>	
Client emulation via Java Applet or ActiveX	TSE RDP, CITRIX ICA, SSH, Telnet, VNC	
Client emulation in HTML browser	FTP, file sharing, network neighbourhood	
Virtual Passage (any application IP, TCP or UDP)	yes	
Supported Web browsers		
Supported Web browsers	Internet Explorer 5.0 + ; Mozilla Firefox 1.0 + (Windows/Linux) ; Netscape 7.0 + (Windows/Linux) ; Opera 7.0	

	S20R/ S20U	S100R/ S100U
Authentication		
Internal user database (login and password)	yes	
External LDAP, NT, Radius, Windows Active Directory	yes	
X.509 digital certificates (smart card, USB key)	yes	
RSA SecurID	Token only, PIN + Token	
Authorisations		
Access management	Individual user, user groups, domain, application, IP address	
Configuration and management		
Standalone Web Admin interface (SSL)	yes	
Remote connection (LAN or WAN)	yes	
Console/command line interface	yes	
Real-time monitoring	CPU load, memory activity	
Export of news and alerts (Email, Syslog)	yes	
Dimensions		
Format	Slim Desktop	1U
Width / Length / Height (mm)	280/230/44	430/390/44
Weight	2 kg	10 kg
Environment		
Operating temperature range	0 to 40 °C	0 to 40 °C
Operating humidity range	20 to 90%	20 to 90%
Storage temperature range	0 to 70 °C	0 to 70 °C
Storage humidity range	5 to 95%	5 to 95%
AC supply voltage	100/ 240 V	100/ 240 V
AC supply frequency	48 – 63 Hz	48 – 63 Hz
AC power dissipation	45 W	250 W
Certifications	CE/ FCC/ UL	CE / FCC

Visit our web site for a complete list of product features and specifications:
www.arkoon.com

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ADAPTIVE SECURITY