



## FAST360® UTM Appliances



The A2100 UTM appliance UTM is built for performance, delivering up to 2 Gbps throughput. The latest enhancements to Arkoon FAST and FAST in line IDPS technology ensure realtime detection and prevention of application-layer attacks, both known and unknown (0 day defense). The feature set of the A2100 positions it as the appliance offering the best functionality/performance/price ratio in its market segment.

### Key Features



#### Firewall and intrusion prevention

Firewall engine based on patented FAST – Fast Applicative Shield Technology. Real-time analysis of network layer, transport layer and application layer protocols. Common Criteria EAL2+ certified.

#### SSL Connection Filtering

The FAST SSL/TLS module tests SSL connections for protocol conformity, and validates the certificate trust chain.

BENEFITS //////////////////////////////////////

- High performance of real-time analysis
- Durability of an engine that is regularly updated with new application modules
- Protection against “phishing”, malware and abusive use of tools such as Skype (hidden channels)

#### Intrusion detection

FAST in line IDPS uses an intelligent signature-based approach to detect and block attacks, dynamically adapting signature analysis as a function of the protocols and applications to protect. The signature database is updated automatically, and custom signatures can be added.

BENEFITS //////////////////////////////////////

- Performance optimisation and elimination of false positives
- Prevention of attacks which do not break protocol rules
- Blocking of P2P (peer-to-peer) and instant messaging traffic

#### VoIP Security

Segmentation and security of VoIP traffic through adaptive synchronised analysis and filtering by the FAST and IDPS engines of voice signalling (SIP, MGCP, SDP, H323) and data (RTP/RTCP) protocols.

BENEFITS //////////////////////////////////////

- Protect VoIP applications, IP PBXs, telephone system servers and terminals
- Detect and respond to unwanted, unauthorized or illicit incoming and outgoing calls
- Protect call confidentiality
- Protect against DOS (Denial of Service) attacks
- Block SPIT (Spam over IP Telephony), call spamming, IM spamming

#### Content Filtering

**Antivirus and antispymware on smtp, pop3, http and ftp protocols.**

Antivirus engine with built-in antispymware, developed by SOPHOS. It uses the viral genotype technique (generic signatures for virus families).

#### “Real time” antispam and e-mail filtering

This technology, resulting from our partnership with COMMTouch, consists of comparing a message copy with a centralised database.

#### URL and Web filtering

The appliances have a built-in web filtering engine that enables blockage of hostile applets and the URLs classed in almost 50 automatically updated categories.

BENEFITS //////////////////////////////////////

- Blockage of unwanted and dangerous content
- Antispam technology with the best detection rate and false positive rate ratios (less than 0.001%)
- Complementarity and interaction between the various content analysis processes

#### IPSEC VPN

Integrated IPSec VPN functionality supports encrypted tunnels for secure site-to-site, remote office or road-warrior interconnectivity.

BENEFITS //////////////////////////////////////

- Secure site interconnection via Internet with back-up link management and load dispatching

#### Dynamic Routing and QoS

FAST360® appliances incorporate dynamic routing (RIP, OSPF and BGP protocols), VLAN management, bridge mode and a DHCP (relay and server) module. They also offer functions for link aggregation, load dispatching and a Quality of Service (QoS) module, in application of the Diffserv norm.

BENEFITS //////////////////////////////////////

- Integration in all types of existing architectures
- Traffic optimisation by flow prioritisation, queue management and load dispatching

#### Authentication

FAST360® UTM appliances are compatible with LDAP, Radius, AD (including Windows 2003) and NT authentication servers and support certificate-based strong authentication. Capable of interfacing with external PKI servers, FAST360® appliances easily integrate into enterprise certificate architectures, allowing user-based traffic filtering.

BENEFITS //////////////////////////////////////

- Manage and filter traffic and access to resources
- Compatible with pre-existing authentication architectures

#### Centralized Management

Arkoon Tools are graphic tools for the design, deployment and supervision of the security policy in a centralised, secure manner.

Six different profiles are available to divide up the administration tasks.

Arkoon security appliances are compatible with the AMC (Arkoon Management Center), the dedicated centralised administration platform for managing complex architectures.

BENEFITS //////////////////////////////////////

- Optimisation and simplification of administration and maintenance operations and related costs
- Adaptation to the company organisation.

# Specifications



# A2100 - A2100X

A2000 Series

Firewall, VPN, Real Time Intrusion Prevention

	A2100	A2100X
<b>Performance</b>		
Firewall throughput (Mbps)	2 000	2 000
VPN throughput, 3DES (Mbps)	200	1 000
VPN throughput, AES (Mbps)	400	1 000
No. of simultaneous connections	980 000	980 000
Connections per second	23 000	23 000
No. of simultaneous tunnels	10 000	10 000
<b>Interfaces</b>		
Console port	1	1
Gigabit Ethernet (copper) 10/100/1000	7	7
<b>Routing and Networking Functions</b>		
Static routing		yes
Dynamic routing		RIP, OSPF, BGP
Transparent mode (layer 2 bridge)		yes
NAT / PAT		yes
PPTP, PPPoE, PPPoA, IP over ATM		yes
Filtering by VLAN		yes
No. of VLANs supported		unlimited
<b>Firewall - Intrusions Prevention System</b>		
Real-time filtering (kernel mode)		yes
Layer 3 and 4 protocol analysis		IP, TCP, UDP, ICMP
Application layer protocols analysis		HTTP, FTP, SMTP, POP3, NNTP, DNS, H.323, SQLNet, SNMP, NetBIOS, IMAP4, SIP, MGCP, SDP, RTP, RTCP, SSL/TLS
DOS/DDOS protection		yes
Protocol verification (RFC/standards conformance)		yes
<b>Intrusion Detection System – FAST in line IDPS</b>		
Contextual analysis		yes
In-line filtering		yes
Alert-only mode		yes
Automatic updating of signature database		yes
Support for user-defined signatures		yes
<b>VoIP Security</b>		
Signalisation protocol filtering (SIP/MGCP/H.323/SDP)		yes
Media stream filtering (RTP/RTCP)		yes
Cross-correlation of signaling and media stream analyses		yes
FireConverge Interface		yes
<b>VPN IPSEC</b>		
ASIC VPN acceleration	-	yes
Encryption algorithm		DES, 3DES, AES, Blowfish, SHA-1 / MD5
<b>Antivirus and Antispyware</b>		
Integrated antispyware		yes
Sophos Genotype™ antivirus technology (proactive virus detection)		yes
Supported protocols		HTTP, SMTP, POP3, FTP
Number of viruses detectable		> 100 000
Automatic, centralized updates		yes

	A2100	A2100X
<b>URL and Web filtering</b>		
URL filtering		yes
Automatic update of URL database		yes
ICAP support (URL filtering)		yes
Java, ActiveX blocking		yes
<b>Antispam and email filtering</b>		
Email filtering		by keyword, sender, receiver, attachments
Antispam by DNS blacklists		yes
"Real time" antispam		pop3, smtp, incoming and outgoing
External quarantine		yes
<b>QOS</b>		
DHCP		Relays and server
Connection failover		yes (WAN and VPN links)
Load sharing		yes (WAN links)
Quality of Service – flow prioritisation, queue management and marking		Conform to Diffserv
Port trunking		yes
High availability		yes
<b>Authentication</b>		
Per connection with integrated authentication agent		yes
NT, Active Directory, Radius, LDAP		yes
Digital certificates (integrated PKI)		yes
Digital certificates (external PKI)		yes
Strong authentication (Token, smartcard...)		yes
<b>Management</b>		
Configuration via Arkoon Manager (Windows and linux)		yes
Monitoring via Arkoon Monitoring (Windows and linux)		yes
Administration role management		Yes: 6 pre-defined roles
Analysis and statistics via Arkoon Reporting (Windows and linux)		yes
Centralized management		yes
Secure connection (SSL)		yes
Remote connection LAN/WAN		yes
Command line mode (console)		yes
Remote system update		yes
Alerts		email, console, SNMP traps
SNMP (standard MIB)		yes
Syslog compatibility		yes
WebTrends compatibility		yes
Arkoon Management Center (AMC) compatibility		yes
<b>Dimensions</b>		
Format		1U Rack
L / W / H (mm)		429 / 360 / 44
Weight		10 Kg
<b>Environnement</b>		
Operational temperature range		5 to 40°C
Operational humidity range		20 to 90%
Storage temperature range		0 to 75°C
Storage humidity range		5 to 95%
Mains voltage		100/240V
Mains frequency		48 – 63Hz
Power consumption (max)		240W
Certifications		CE/FCC/UL

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