

Appliances UTM FAST360



The A2200, which benefits hardware options including a four-port Gigabit Ethernet (copper) adapter, a four-port SFP Gigabit Ethernet adapter, and ASIC VPN acceleration. Robust with a 2U frame and delivering top-notch, all-round security (network performance, VPN and content filtering), the A2200 is the perfect UTM solution for secure networks of all sizes, from just a few hundred to several thousands of machines.



Main functionalities



Firewall and intrusion prevention

Firewall engine based on patented Fast Applicative Shield Technology (FAST). Real-time analysis of network layer, transport layer and application layer protocols. Real-time analysis of application, transport and network protocols. FAST Inline IDPS: detection of attacks on applications using a contextual signature database. Common criteria EAL2+ certified.

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

- High-performance real-time analysis with no impact on the network.
- Over 20 application protocols tested.
- Ability to block non-productive or malicious streams (peer-to-peer, instant messaging, Skype, malware, phishing, etc.).

CLUSTERING

With Clustering, 2 appliances can be run in parallel delivering identical services.

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

- High-availability mode (active/passive) with continuous service without any drop in performance.
- High performance mode (active/active) with dispatching of heavy loads to 2 parallel devices.

VoIP security

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

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

- Protect VoIP applications, IP PBXs, telephone server systems and terminals.
- Detect and respond to unwanted, unauthorized or illicit incoming and outgoing calls.
- Protect Call confidentiality.
- Block Call spamming, IM spamming.

Content filtering

Antivirus and anti-spyware protection on smtp, pop3, http, ftp.

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 a partnership with COMMTouch consists of comparing a message copy with a centralized database.

URL and Web Filtering

The appliances have a built-in web filtering engine to block hostile applets and URLs classed in over 60 automatically updated categories.

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

- Block dangerous or undesirable content.
- Antispam technology offering the best detection rate and false positive rate ratios (less than 0.001%).
- Complementarity and interaction between the various content analysis processes.

VPN IPSEC

Integrated IPsec VPN functionality in all FAST360 appliances supports encrypted tunnels for secure site-to-site, remote office or road warrior interconnectivity.

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

- Secure site interconnection via Internet with management of backup links and load dispatching.

Network services 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 module (QoS) in application of the Diffserv norm.

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

- Integration into all types of existing architectures.
- Traffic optimization by a flow prioritization, queue management and load dispatching.

Authentication

FAST360 UTM appliances are compatible with LDAP, Radius, NT authentication technologies and support certificate-based strong authentication.

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

- Manage and filter traffic and access to applications.
- 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 centralized, secure manner.

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

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

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

- Optimization and a simplification of administration and maintenance operations and related costs.
- Adaptation to the company organization.

Technical Description

XLarge Series

XLarge-2200



	A2200	A2200X
Performance		
Firewall throughput (Mb/s)	2500	
VPN throughput, 3DES (Mb/s)	200	1 000
VPN throughput, AES (Mb/s)	500	1 000
Application filtering rate (Mb/s)	1750	
No. of simultaneous Connections	1 000 000	
Connections per Second	25 000	
No. of simultaneous Tunnels	20 000	
Interfaces		
Console port	1	
Fast Ethernet ports	2	
Gigabit Ethernet copper ports (std/max)	6	
Optional slots of interface number extension		
Number of optional slots	1	
Port quantity extension modules (option) (provided without Gbic)	10/100/1000 fiber ports for optional slots	4 SFP ports
	10/100/1000 copper ports for optional slots	4 copper ports
Routing and Networking functions		
Static routing	yes	
Dynamic routing	RIP, OSPF, BGP	
Transparent mode (layer 2 bridge)	yes	
NAT / PAT	yes	
PPTP, PPPoE, PPPoA, IP over ATM	yes	
Filtrage by VLAN	yes	
Number of VLANs supported	unlimited	
Firewall - Intrusions Prevention System		
Real-time filtering (kernel mode)	yes	
Layer 3 and 4 protocol analysis	IP, TCP, UDP, ICMP	
Application layer protocol analysis	http, ftp, smtp, pop3, nntp, dns, dns udp, h323, SQLNet, snmp, flux netbios, imap4, sip, mgcp, sdp, rtp, rtcp, ssl/tls	
DOS/DDOS Protection	yes	
Protocol Verification (RFC/standards conformance)	yes	
Intrusions Detection System - FAST in line IDPS		
Contextual analysis	yes	
In-line filtering	yes	
Alert-only mode	yes	
Automatic updating of signature database	yes	
Support for user-defined signatures	yes	
VoIP Security		
Signalisation protocol filtering (SIP/MGCP/H.323/SDP)	yes	
Media stream filtering (RTP/RTCP)	yes	
Cross-correlation of signaling and media stream analyses	yes	
VPN IPSEC		
ASIC VPN	-	yes
Encryption algorithm	DES, 3DES, AES, Blowfish, SHA-1 / MD5	
Antivirus & Antispyware		
Integrated antispyware	yes	
Viral Genotype antivirus technology (proactive virus detection)	yes	
Supported protocols	HTTP, SMTP, POP3, FTP	
Number of viruses detected	> 100 000	
Automatic, centralized updates	yes	

	A2200	A2200X
Web filtering		
URL filtering	yes	
Automatic update of URL database	yes	
ICAP support for URL filtering	yes	
Java, Activ X blocking	yes	
Antispam and email filtering		
Email filtering	by keyword, sender, receiver, attachments	
Antispam by DNS blacklists	yes	
"Real-Time" antispam	pop3, smtp, incoming and outgoing	
External quarantine	yes	
Quality of Service		
DHCP	Relay and Server	
Connection failover	yes : WAN and VPN	
Load sharing by WAN and VPNlinks	by access WAN and VPN	
Quality of service – Limitation, reservation, prioritization queue management and marking	Diffserv	
Link aggregation	yes	
High-availability	yes : active/passive or active/active	
Authentication		
Per connection with Arkoon authentication agent	yes	
Compatible with authentication servers:	yes	
NT, Active Directory, Radius, LDAP		
Digital certificates (integrated PKI)	yes	
Digital Certificates (external PKI)	yes	
Strong authentication (token, smartcard, etc.)	yes	
Management		
Configuration via Arkoon Manager (Windows and Linux)	yes	
Monitoring via Arkoon Monitoring (Windows and Linux)	yes	
Administration role management	yes : 6 pre-defined roles	
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	
ACC compatibility	yes	
Arkoon Management Center (AMC) compatibility	yes	
Compatibility with Arkoon Virtual Edition	yes	
Dimensions		
Format	Rack 2U	
L / W / H (mm)	429 / 382 / 88	
Weight	11 Kg	
Environmental		
Operational temperature range	5 to 40°C	
Operational humidity Range	20 to 90%	
Storage temperature range	0 to 70°C	
Storage humidity range	5 to 90%	
Mains voltage	100/240V	
Redundant power supply	yes	
Disk capacity	1 SATA disks, 80 GB	
Mains frequency	48 – 63Hz	
Power consumption (max)	2 x 460W	
Certifications	CE/FCC/UL/cUL	