

Appliances UTM FAST360



The A5200 offers delivering market-leading performance thanks to its extension modules, with up to 4Gbps throughput, and offering modular connectivity with a high port count. The standard eight copper gigabit ethernet interfaces and 2 ports 10/100 and can be extended to 16 copper and 2 10/100 interfaces. Integrating the full range of Arkoon security services (fire-wall, FAST, FAST in line IDPS, IPSec VPN, content filtering, antivirus, antispam, etc), the exceptional performance and robust design of the A5200 positions it as the ideal choice for corporate datacenter or backbone protection.



Main functionalities



Firewall and intrusion prevention

Application analysis 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 in line IDPS: intrusion detection and prevention system to counter attacks from "contextual" signature databases. 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-5200



		A5200
Performance		
Firewall throughput (Mb/s)		4 000
VPN throughput, 3DES (Mb/s)		200
VPN throughput, AES (Mb/s)		500
Application filtering rate (Mb/s)		2 800
No. of simultaneous Connections		1 000 000
Connections per Second		40 000
Number of VPN tunnels		unlimited
Interfaces		
Console port		1
Fast Ethernet ports 10/100		2
Copper 10/100/1000 Gigabit Ethernet Port		8
Optional slots of interface number extension		
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		
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

		A5200
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		WAN and VPN access
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
Environnement		
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
Disk redundancy		RAID1
Disk capacity		2 SATA disks, 80 GB
Mains frequency		48 – 63Hz
Power consumption (max)		2 x 460W
Certifications		CE/FCC/UL/cUL