

Allot High Performance Platforms

NetEnforcer[®]

AC-3000



8 Gbps Bandwidth Management Device

Allot NetEnforcer[®] AC-3000 manages broadband Internet traffic on multiple Ethernet links at speeds of up to 8 Gbps. This flexible device provides real-time analytics, policy enforcement and traffic steering to help operators control bandwidth utilization and costs while ensuring Quality of Experience (QoE) for all network users.



Features

- Throughput of 1, 2, and 4 Gbps (full duplex) with real-time analytics and Quality of Service (QoS) management of up to 3.5 million concurrent IP flows
- High port density per unit:
 - 8 x 1GE ports for network connectivity
 - 4 x 1GE ports for connectivity to external services, cascading, and high availability
- IPv4/IPv6 dual stack subscriber support for flexible network configuration
- Powered by Allot's Dynamic Actionable Recognition Technology (DART) engine, which provides granular visibility of subscriber, application, device (including tethering), and network topology traffic
- DART's extensive signature library accurately identifies hundreds of Internet applications and protocols, including P2P, VoIP, streaming, gaming, instant messaging, web, and business applications
- Automated, web-based update keeps the signature library up to date with the latest developments
- Supports user-defined signatures based on HTTP attributes, as well as monitoring reports based on custom HTTP signatures
- Real-time analytics and automatic alarms enable fast and accurate troubleshooting with the ability to trigger corrective actions
- Works together with Allot Subscriber Management Platform (SMP) to provide real-time usage data for online and offline charging and subscriber policy management
- Policy-based traffic steering to external network and subscriber services
- Integrated URL filtering services block access to blacklisted and illegal websites, and allow subscribers to set up and manage their own safe browsing and anti-malware rules (See Allot WebSafe services)
- Integrated threat protection system prevents DNS blacklisting, isolates infected botnet hosts for clean-up, and surgically mitigates DDoS attacks (see Allot ServiceProtector)
- Managed by Allot NetXplorer centralized management system
- Fail-safe performance supported by external hardware bypass



Allot NetEnforcer AC-3000 is available in a versatile AC-3040 model, serving a range of network configurations and needs.

		AC-3040
Capacity	Throughput	8 Gbps (4 Gbps, full duplex)
	Number of Connections/Flows	1,750,000 / 3,500,000
	Number of Subscribers	160,000
	Policy Levels (Lines/Pipes/Virtual Channels)	512 / 40,000 / 80,000
Interfaces and Connections	Management Interface	10/100/1000BASE-T
	Ethernet Interfaces (Internal / External)	8 x 1000BASE-SX/LX/ZX or 8 x 10/100/1000BASE-T (auto-negotiation)
	Cascading/Service	4 x 10/100/1000BASE-T (reserved for future use)
	Console Port	Serial, RJ-45 Connector
Examples of Application/Protocol Signatures Supported	P2P	Including BitTorrent, eDonkey, Ares, Gnutella, Thunder, Winny, eMule, Vuze
	VoIP and IM	Including Windows Live Messenger, SIP, Skype, Yahoo Messenger, GoogleTalk, Fring, WhatsApp, STUN, ICQ, Viber, and QQ
	Gaming	Including World of Warcraft, Final Fantasy, Guitar Hero, Second Life, QQ Games, Lineage, CounterStrike, Call of Duty, Apple Game Center
	Web	Including HTTP, mobile, and social networking applications
	Streaming	Including YouTube, RTMP, QQ live, PPSstream, DailyMotion, HTTP streaming, HTTP audio, Netflix, and Facebook streaming
	File Transfer	Including FTP, HTTP file downloads, Apple App Store, and Android Market
Networking Standards	Traffic Encapsulation	Including L2TP, MPLS, PPPoE, and Teredo
	IPv6	IPv6 subscriber management available with Allot SMP
Product Options	QoS Enforcement Levels	1, 2, and 4 Gbps (full duplex)
	Analytics (Monitoring and Reporting)	Real-time and Long-term
	High Availability	Active redundancy (1:1, 1+1), bypass
	Asymmetric Traffic Handling	Yes
Full Integration with Allot Digital Lifestyle Services	Allot Subscriber Management Platform (SMP)	For centralized creation, provisioning, and charging of per-subscriber services
	Allot ClearSee Analytics	For capturing rich source data from the network and transforming it into valuable business intelligence
	Allot ServiceProtector	For DDoS/outbound spam detection and mitigation solutions
	Allot WebSafe	For URL filtering solutions at the network level
	Allot WebSafe Personal	For subscriber safe-browsing solutions (Parental Control; Anti-Malware)
	Allot MediaSwift E	For media caching and video acceleration solutions
	Traffic Steering	For deployment of value-added services
Dimensions	Size / Weight	Standard 1U by 19" rack mount / 5.2 kg (11.5 lb)
	Dimensions / Operating Temp	300mm x 440mm x 44mm (L x W x H) / 0°C to 50°C
	Bypass Unit	External, 1U, 19" rack mount, 2.4 kg (5.3 lb)
Power	Input (AC)	100 - 240 VAC, 50/60Hz, 2A max
	Input (DC)	-48V / -60V DC, 3.5A max
	Power Supply Units	2 (Load Sharing)
	Redundancy for PSUs	1 + 1
	Power Consumption / Heat Dissipation	160W / 546 BTU/hour
Safety and Certifications	Safety	UL 60950-1:2007; EN 60950-1:2006 / A11:2009; CAN/CSA-C22.2 No. 60950-1-07
	EMC	European Directives 2004/108/EC & LVD 73/23/EEC, including EN 55022: 2006, and EN 55024: 1998 + A1: 2001 + A2: 2003, EN 300 386 V1.3.3:2005, and FCC CFR 47 Part 15B Industry Canada ICES-003 Issue 4, and VCCI Technical Requirements V-3/2001.04 Australia ACMA, AS/NZS CISPR22:2006

About Allot Communications

Allot Communications Ltd. (NASDAQ, TASE: ALLT) is a leading global provider of intelligent broadband solutions that put mobile, fixed and enterprise networks at the center of the digital lifestyle and workstyle. Allot's DPI-based solutions identify and leverage the business intelligence in data networks, empowering operators to analyze, protect, improve and enrich the digital lifestyle services they deliver. Allot's unique blend of innovative technology, proven know-how and collaborative approach to industry standards and partnerships enables network operators worldwide to elevate their role in the digital lifestyle ecosystem and to open the door to a wealth of new business opportunities. For more information, please visit www.allot.com

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