

NetEnforcer® AC-3000 Series

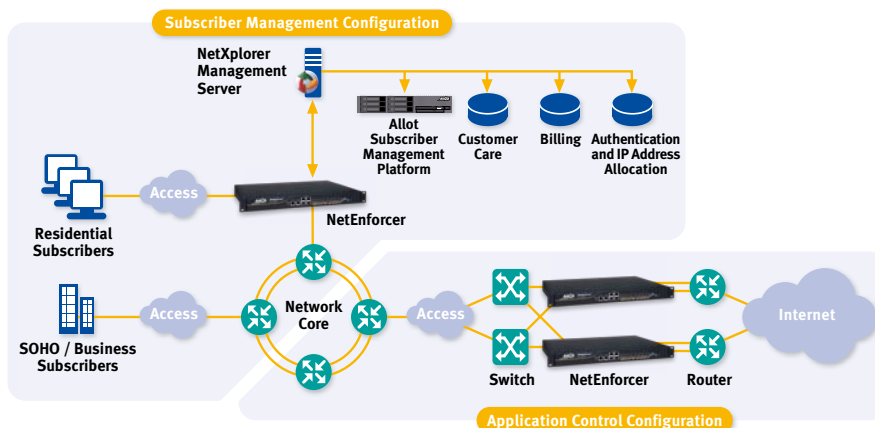
8 Gbps Bandwidth Management Device



Allot NetEnforcer® AC-3000 is designed to manage broadband Internet traffic on multiple Ethernet links at speeds of up to 8 Gbps. Providing real-time monitoring, QoS policy enforcement and traffic steering, this flexible device helps operators control bandwidth utilization and costs while ensuring quality of experience (QoE) for all network users.

Main Features

- Throughput of 1, 2 and 4 Gbps (full duplex) with real-time monitoring and QoS management of up to 4 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
- Powered by Allot's Dynamic Actionable Recognition Technology (DART) engine, which provides granular visibility of subscriber, application 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 traffic monitoring and automatic alarms enable fast and accurate troubleshooting with the ability to trigger corrective actions
- Policy-based traffic steering to external network and subscriber services
- Integrated URL filtering service blocks access to blacklisted and illegal web sites at the network level (see Allot WebSafe)
- Use with Allot ServiceProtector to avoid DNS blacklisting; to isolate infected botnet hosts for clean-up; and for surgical mitigation of DDoS attacks
- Managed by Allot NetXplorer centralized management system
- Fail-safe performance supported by external hardware bypass



Specifications

The NetEnforcer AC-3000 is currently 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	2,000,000 / 4,000,000
	Number of Subscribers	160,000
	Policy Levels (Lines/Pipes/Virtual Channels)	256 / 40,000 / 80,000
Interfaces and Connections	Management Interface	10/100/1000BASE-T
	Network Interfaces (Internal / External)	8 x 1000BASE-SX/LX /ZX or 8 x 10/100/1000BASE-T (auto-negotiation)
	Cascading/Service Interfaces	4 x 10/100/1000 BASE-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	Including Windows Live Messenger Voice, SIP, Skype, Yahoo Messenger Voice, GoogleTalk, Fring
	Gaming	Including World of Warcraft, Final Fantasy, Guitar Hero, Second Life, QQ Games, Lineage, CounterStrike, Call of Duty
	Instant Messaging/Chat	Including Windows Live Messenger, QQ, Yahoo Messenger, ICQ, STUN
	Web	Including HTTP Browsing, HTTPS, Mobile browsers
	Streaming	Including YouTube, RTMP, QQ live, PPStream, DailyMotion, HTTP Streaming, HTTP Audio, NetFlix, Facebook Streaming
Networking Standards	Traffic Encapsulation	Including L2TP, MPLS, PPPoE
	IPv6	Ready
Product Options	QoS Enforcement Levels	1, 2 and 4 Gbps (full duplex)
	Monitoring and Reporting	Real-time and Long-term
	High Availability	Active Redundancy (1:1, 1+1), Bypass
	Asymmetric Traffic Handling	Yes
Management	NetXplorer Centralized Management	Yes
	Allot Subscriber Management Platform (SMP)	Fully integrated with Allot SMP for subscriber-application control
Full Integration with Network & Subscriber Services	Allot TierManager and QuotaManager	For subscriber service tiering and quota management solutions
	Allot ServiceProtector	For DDoS/outbound spam detection and mitigation solutions
	Allot WebSafe	For URL filtering solutions
	Allot MediaSwift	For media caching and video acceleration solutions
	Traffic Steering	For deployment of external 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: ALLT) is a leading provider of intelligent IP service optimization solutions for fixed and mobile broadband operators and large enterprises. Allot's rich portfolio of solutions leverages dynamic actionable recognition technology (DART) to transform broadband pipes into smart networks that can rapidly and efficiently deploy value added Internet services. Allot's scalable, carrier-grade solutions provide the visibility, topology awareness, security, application control and subscriber management that are vital to managing Internet service delivery, enhancing user experience, containing operating costs, and maximizing revenue in broadband networks.

www.allot.com info@allot.com

- **Americas:** 300 TradeCenter, Suite 4680, Woburn, MA 01801 USA · Tel: (781) 939-9300 · Toll free: 877-255-6826 · Fax: (781) 939-9393
- **Europe:** NCI – Les Centres d’Affaires Village d’Entreprises ‘Green Side’, 400 Avenue Roumanille, BP309, 06906 Sophia Antipolis Cedex, France · Tel: 33 (0) 4-93-001160 · Fax: 33 (0) 4-93-001165
- **Asia Pacific:** 6 New Industrial Road, #08-01, Hoe Huat Industrial Building, Singapore 536199 · Tel: +65-6283 8990 · Fax: +65-6282 7280
- **Japan:** 4-2-3-301 Kanda Surugadai, Chiyoda-ku, Tokyo 101-0062 · Tel: 81 (3) 5297-7668 · Fax: 81 (3) 5297-7669
- **Middle East and Africa:** 22 Hanagar Street, Industrial Zone B, Hod-Hasharon, 45240, Israel · Tel: 972 (9) 761-9200 · Fax: 972 (9) 744-3626

