

# NetEnforcer® AC-3000 Series

8 Gbps Bandwidth Management Device

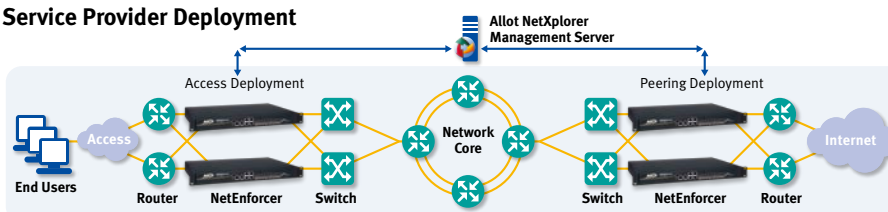


Allot NetEnforcer® AC-3000 is designed to manage broadband Internet traffic on multiple Ethernet links at speeds of up to 8 Gbps. Providing real-time monitoring, QoS policy enforcement and traffic steering, this flexible device helps operators control bandwidth utilization and costs while ensuring quality 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 1 GE ports for network connectivity
  - 4 x 1 GE 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 traffic monitoring 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 service blocks access to blacklisted and illegal web sites at the network level (see Allot WebSafe)
- 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

### Service Provider Deployment



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# 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)	512 / 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 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, PPStream, 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)
	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 solutions to optimize and monetize over-the-top traffic in fixed and mobile broadband networks and in large enterprises worldwide. Allot's scalable, carrier-grade solutions leverage dynamic actionable recognition technology (DART) to provide traffic analytics, policy enforcement and video optimization. Allot enables value-based services and charging models that are vital for network operators to deliver a consistently great user experience, contain costs and maximize revenues from network usage. For more information, please visit <http://www.allot.com>

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