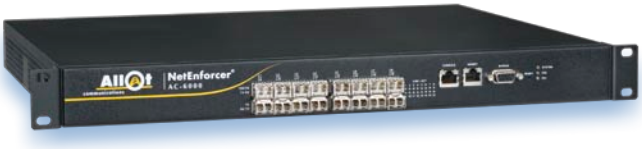
Allot High Performance Platforms

NetEnforcer®
AC-6000

16 Gbps Bandwidth Management Device



Allot NetEnforcer® AC-6000 manages broadband Internet traffic on multiple Ethernet links at speeds of up to 16 Gbps. Bringing 10GE connectivity to the NetEnforcer series and providing real-time analytics, policy enforcement, and traffic steering, this flexible, cost-effective device helps enterprises, organizations, and cloud service providers control bandwidth utilization and costs while ensuring Quality of Experience (QoE) for all network users.

Features

- Throughput of 2, 4, and 8 Gbps (full duplex) with real-time analytics and Quality of Service (QoS) management of up to 10 million concurrent IP flows
- High port density per unit:
  - 8 x 1GE
  - 8 x 10GE/1GE (dual mode)
  - All ports can be used for network connectivity, connectivity to external services (steering), 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, business applications, and cloud services
- 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

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Specifications

Allot NetEnforcer AC-6000 is available in a single versatile model, serving a range of network configurations and needs.

		AC-6000
Capacity	Throughput	16 Gbps (8 Gbps, full duplex)
	Number of Connections/Flows	5,000,000/10,000,000
	Number of Subscribers	400,000
	Policy Levels (Lines/Pipes/Virtual Channels)	512 / 125, 000 / 250,000
Interfaces and Connections	Management Interface	10/100/1000BASE-T
	Ethernet Interfaces (Internal / External)	10GE-BASE-SR/LR/ER, 1000BASE-SX/LX/ZX, and 100/1000BASE-T
	Maximum ports for network connectivity, cascading, or steering	8 x 1GE + 8 x 10GE/1GE
	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	2, 4 and 8 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 ServiceProtector	For DDoS/outbound spam detection and mitigation solutions
	Allot Proactive Analytics	Providing collection and export of data and session records to Allot Proactive Analytics system
	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 / 7 kg (15.4 lb)
	Dimensions / Operating Temp	350mm x 440mm x 44mm (L x W x H) / 0°C to 45°C
	Bypass Unit	External, 1U, 19" rack mount, 2.4 kg (5.3 lb)
Power	Input (AC)	100 - 240 VAC, 50/60Hz, 4A max
	Input (DC)	-48 VDC, 7.5A max
	Power Supply Units	2 (Load Sharing)
	Redundancy for PSUs	1 + 1
	Power Consumption / Heat Dissipation	300W / 1,025 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 + A1:2007, EN 55024: 1998 + A1:2001 + A2: 2003 EN61000-3-2: 2006 + A1: 2009, EN61000-3-3: 2008, EN 300 386 V1.4.1: 2008-04, FCC CFR 47 Part 15B Industry Canada ICES-003 Issue 4; C108.8-M1983 VCCI Technical Requirements V-3/2001.04 Australia ACMA, AS/NZS CISPR22:2006 Complies with directive 2002/95/EC (RoHS) and directive 2002/96/EC (WEEE)

About Allot Communications

Allot Communications Ltd. (NASDAQ: ALLT) is a leading global provider of intelligent broadband solutions that put mobile, fixed and enterprise networks at the center of the digital lifestyle. Allot's DPI-based solutions identify and leverage the business intelligence in data networks, empowering operators to shape digital lifestyle experiences and to capitalize on the network traffic they generate. Allot's unique blend of innovative technology, proven know-how and collaborative approach to industry standards and partnerships enables service providers 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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