NetEnforcer®
AC-500 Series

400 Mbps Bandwidth Management Device

Allot NetEnforcer® AC-500 manages Internet traffic on multiple Ethernet links at speeds of up to 400 Mbps. This flexible device brings carrier-class functionality and reliability to enterprise networks, providing real-time analytics, policy enforcement, and security services.

Features

- Throughput of 10, 50, 100, and 200 Mbps (full duplex) with real-time analytics and Quality of Service (QoS) management of up to 400,000 concurrent IP flows

- Interface options support a variety of network topologies:
  - 2 x 10/100/1000Mbps Ethernet ports (1 link) + 2 ports for cascading, high availability
  - 4 x 10/100/1000Mbps Ethernet ports (2 links) + 4 ports for cascading, 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 user, 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 enterprise 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

- 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

Allot communications

Allot NetEnforcer AC-500 Series is available in two models serving a range of network configurations and needs.

		AC-502	AC-504
Capacity	Throughput	400 Mbps (200 Mbps full duplex)	
	Number of Connections/Flows	200,000/400,000	
	Number of Subscribers	32,000	
	Lines/Pipes/Virtual Channels	Up to 512 / 8,192 / 32,768	
Interfaces and Connections	Management Interface	10/100/1000BASE-T	
	Network Interfaces (Internal / External)	2 x 10/100/1000BASE-T	4 x 10/100/1000BASE-T
	Cascading/Redundancy	2 x 10/100/1000BASE-T	4 x 10/100/1000BASE-T
	Console Port	Serial, RJ-45 Connector	
Examples of Application/Protocol Signatures Supported	P2P	Including BitTorrent, eDonkey, Ares, Gnutella, Thunder, eMule, Vuze, Winny	
	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, 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	10, 50, 100, and 200 Mbps full duplex	
	Analytics (Monitoring and Reporting)	Real-time and long-term	
	High Availability	Active redundancy (1:1, 1+1)	
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 WebSafe	For URL filtering solutions at the network level	
	Allot ServiceProtector	For DDoS/outbound spam detection and mitigation solutions	
Dimensions	Size / Weight	Standard 1U by 19" rack mount / 4.24 kg (9.35 lb)	
	Dimensions / Operating Temp	300mm x 440mm x 44mm (L x W x H) / 0°C to 50°C	
	Bypass Unit	Internal	
Power	Input (AC)	100-240 VAC. 50/60Hz, 2A max	
	Power Supply Unit	80W	90W
	Heat Dissipation	274 BTU/hour	308 BTU/hour
Safety and Certifications	CE Conformity	Directive 2004/108/EC, Directive 2006/95/EC	
	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
		    EN 55022: 2006
		    EN 55024:98 + A1: 2001 + A2: 2003
		ETSI EN 300 386 V1.3.3:2005-04
		FCC CFR 47 Part 15 Subpart B
		Industry Canada ICES-003:04; C108.8-M1983
		VCCI Class A Technical Requirements, V-3/2001.04
		Australia ACMA, AS/NZS CISPR22:2006	

	RoHS/WEEE Compliance	Directive 2002/95/EC (RoHS) Directive 2002/96/EC (WEEE)	

Allot communications