

NetEnforcer® AC-5000 Series

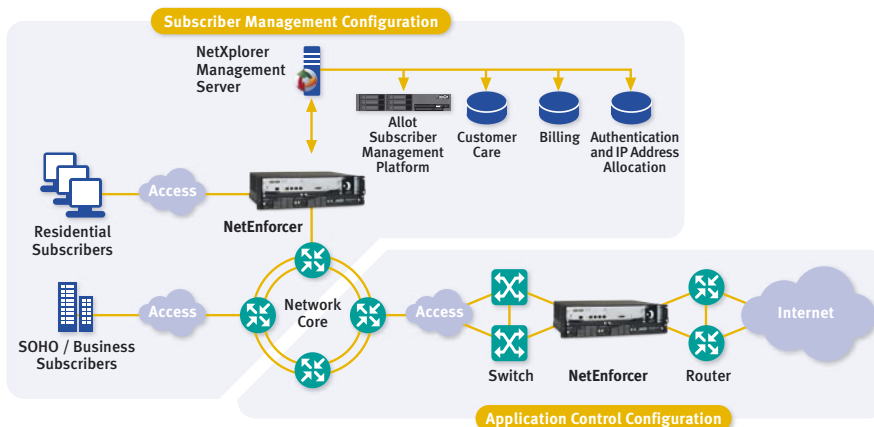
10 Gbps Bandwidth Management Devices



Allot NetEnforcer® AC-5000 series is designed to monitor and manage broadband traffic on multiple 1GE and 10GE links at speeds of up to 10 Gbps. Powered by Allot's leading deep packet inspection (DPI) technology, these carrier-class devices provide the granular visibility and policy enforcement that is vital to optimizing network utilization and ensuring quality of experience for broadband and WAN users.

Main Features

- Throughput of up to 10 Gbps with real-time monitoring and QoS management of up to 10 million concurrent IP flows
- Interface options support a variety of network topologies:
 - 8 x 1GE ports (4 links)
 - 2 x 10GE ports (1 link)
- Next-generation DPI engine with extensive signature library accurately identifies hundreds of Internet applications and protocols, including P2P, VoIP, video, streaming, gaming, instant messaging, web and business applications
- Automated, web-based update of DPI engine keeps the protocol/signature library up to date with the latest Internet developments and advances
- Continuous traffic monitoring enables fast and accurate troubleshooting, usage tracking and capacity planning
- Expedited Forwarding (RFC2598), Assured Forwarding (RFC2597) and other advanced QoS capabilities ensure consistent QoE for real-time and delay-sensitive services
- Managed by Allot NetXplorer management system for centralized reporting, provisioning, alerting, and QoS policy enforcement across the entire network
- Fully integrated with Allot Subscriber Management Platform (SMP) for accurate service control per subscriber
- Policy-based control of connection establishment protects against denial of service attacks; additional network security solutions provided through integration with Allot ServiceProtector
- Fail-safe performance supported by hardware bypass
- Supports 1GE and 10GE infrastructure and is scalable from 4-10 Gbps, enabling seamless network migration and service expansion



Specifications

Allot NetEnforcer AC-5000 series is available in two models serving a range of broadband network topologies and capacity requirements.

	AC-5040	AC-5100
Capacity		
Throughput	8 Gbps (4 Gbps, Full Duplex)	10 Gbps (5 Gbps, Full Duplex)
Number of Connections/Flows	5,000,000 / 10,000,000	
Number of Subscribers	400,000	
Interfaces and Connections		
Management Interface	2 x 10/100/1000BASE-T	
Network Interfaces (Internal / External)	8 x 1000BASE-T/SX/LX	2 x 10 Gigabit Ethernet SR/LR
Console Port	Serial, RJ-45 Connector	
Deep Packet Inspection (DPI) supporting more than 800 protocols / applications and growing		
P2P Protocols	Including BitTorrent, Gnutella, Ares, eDonkey, Warez, Winny, Kazaa	
VoIP Protocols	Including Skype, H.323, SIP, RTP, Net2Phone, Vonage	
Gaming Protocols	Including World of Warcraft, QQ Games, LineAge, Yahoo Games	
Instant Messaging/Chat	Including AOL, Yahoo, MSN, QQ, IRC, ICQ	
Web/Streaming Application Protocols	Including YouTube, DivX WebPlayer, SlingBox, Joost, Yahoo Video	
Networking Standards		
Traffic Encapsulation	L2TP, MPLS, Cisco ISL, QinQ (stacked VLANs), PPPoE, GRE	
IPv6	Ready	
Product Configurations		
Monitoring	Yes	
QoS Enforcement Levels	2 and 4 Gbps (Full Duplex)	2 and 5 Gbps (Full Duplex)
Policy Levels (Lines/Pipes/VCS)	256 / 100,000 / 200,000	
High Availability	Bypass	
NetXplorer Reporter	Real-time/Long-term	
Management		
NetXplorer Centralized Management	Yes	
Dimensions		
Size	Standard 3U by 19" rack mount; HxWxD – 133.35mm x 448mm x 413.4mm	
Weight	17 kg	
Bypass Unit	External, 1U, 19" rack mount	
Power		
Input DC	Nominal -48 / -60 VDC; Range 40.5 – 72 VDC, 13A Max	
Number of DC PSUs	2	
DC PSU Redundancy	1+1	
DC Max Power Consumption	520W	
DC Heat Dissipation	1,775 BTU/hour	
Input AC	100 – 240 VAC, 8A Max	
Number of AC PSUs	2	
AC PSU Redundancy	1+1	
AC Max Power Consumption	653W	
AC Heat Dissipation	2,230 BTU/hour	
Safety and Certifications		
Safety	UL 60950-1, EN 60950, CAN/CSA C22.2	
Emission	FCC, CE, ETSI, VCCI-Class A	
AdvancedTCA	PICMG 3.0 Rev 2.0	

About Allot Communications

Allot Communications (NASDAQ: ALLT) is a leading provider of intelligent IP service optimization solutions for DSL, wireless and mobile broadband carriers, service providers, and enterprises. Allot's rich portfolio of hardware platforms and software applications utilizes deep packet inspection (DPI) technology 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, security, application control and subscriber management that are vital to managing Internet service delivery, guaranteeing quality of experience (QoE), containing operating costs, and maximizing revenue in broadband networks.

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