

NetEnforcer® AC-10000 Series

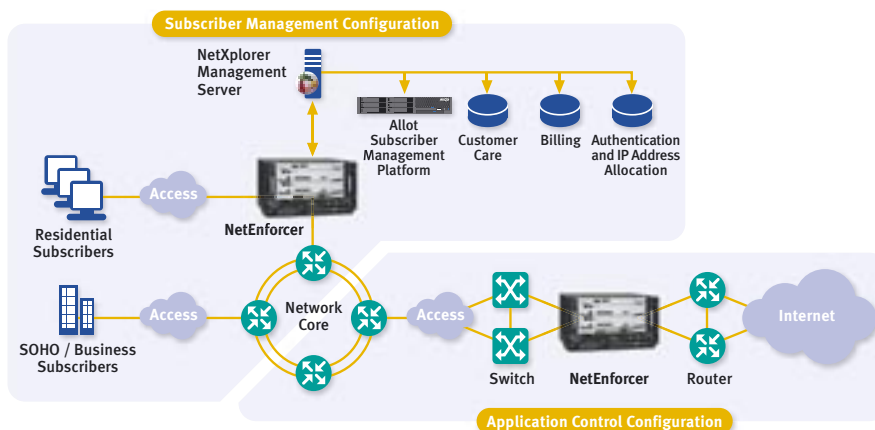
20 Gbps Bandwidth Management Devices



Allot NetEnforcer® AC-10000 series is designed to monitor and manage broadband traffic on multiple 1GE and 10GE links, at speeds of up to 20 Gbps. Powered by Allot's leading deep packet inspection (DPI) technology, these carrier-class devices provide the granular visibility and policy enforcement that is required to optimize network utilization and to ensure quality of experience for broadband users.

Main Features

- Throughput of up to 20 Gbps with real-time monitoring and QoS management of up to 20 million concurrent IP flows
- Range of interface options support a variety of network topologies:
 - 8 x 1GE ports (4 links)
 - 2 x 10GE ports (1 link)
 - 4 x 10GE ports (2 links)
- 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 management 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 and hitless maintenance supported by 1+1 active redundancy and hardware bypass
- Supports 1GE and 10GE infrastructure and is scalable from 8-20 Gbps, enabling seamless network migration and service expansion



Specifications

Allot NetEnforcer AC-10000 series is available in three models serving a range of broadband network topologies and capacity requirements.

	AC-10040	AC-10100	AC-10200
Capacity			
Number of Connections/Flows	5,000,000 / 10,000,000	5,000,000 / 10,000,000	10,000,000 / 20,000,000
Throughput	8 Gbps (4 Gbps, Full Duplex)	10 Gbps (5 Gbps, Full Duplex)	20 Gbps (10 Gbps, Full Duplex)
Policy Levels (Lines/Pipes/Virtual Channels)	256 / 100,000 / 200,000	256 / 100,000 / 200,000	256 / 200,000 / 400,000
Interfaces and Connections			
Management Interfaces	2 x 10/100/1000 BaseT		
Network Interfaces (Internal / External)	8 x 1000BASE-T/SX/LX	2 x 10 Gigabit Ethernet SR/LR	4 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	For example: BitTorrent, Gnutella, Ares, eDonkey, Warez, Winny, Kazaa		
VoIP	For example: Skype, H.323, SIP, RTP, Net2Phone, Vonage		
Gaming	For example: World of Warcraft, QQ Games, LineAge, Yahoo Games, Second Life, Gaming Consoles		
Instant Messaging/Chat	For example: AOL, Yahoo, MSN, QQ, IRC, ICQ		
Web/Streaming	For example: YouTube, Joost, Yahoo Video, RTSP, Kontiki, SlingBox, MS Player		
Networking Standards			
Traffic Encapsulations	L2TP, MPLS, Cisco ISL, QinQ (stacked VLANs), PPPoE, GRE		
IPv6	Ready		
Product Configurations			
High Availability	Bypass	Bypass	Active Redundancy/Bypass
Number of Subscribers	400,000	400,000	800,000
Management			
Supports NetXplorer Centralized Management with long-term NetXplorer Reporter. Add-on: Real-Time Reporter			
Dimensions			
Chassis Size	Standard 6U by 19" rack mount; HxWxD - 265.8mm x 448mm x 413.4mm		
Chassis Weight	24 kg	24 kg	29 kg
Bypass Unit	External, 1U, 19" rack mount		
Power			
Input DC	Nominal -48 / -60 VDC 40.5 – 72 VDC, 13A Max	Nominal -48 / -60 VDC 40.5 – 72 VDC, 13A Max	Nominal -48 / -60 VDC 40.5 – 72 VDC, 22A Max
Number of DC PSUs	2	2	2
DC PSU Redundancy	1+1	1+1	1+1
DC Max Power Consumption	520W	520W	913W
DC Heat Dissipation	1,775 BTU/hour	1,775 BTU/hour	3,117 BTU/hour
Input AC	100-240 VAC, 8A Max	100-240 VAC, 8A Max	100-240 VAC, 12A Max
Number of AC PSUs	2	2	2
AC PSU Redundancy	1+1	1+1	1+1
AC Max Power Consumption	653W	653W	1068W
AC Heat Dissipation	2,230 BTU/hour	2,230 BTU/hour	3,646 BTU/hour
Safety and Certifications			
Safety	UL60950-1, EN60950, 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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