

NetEnforcer® AC-5000 Series

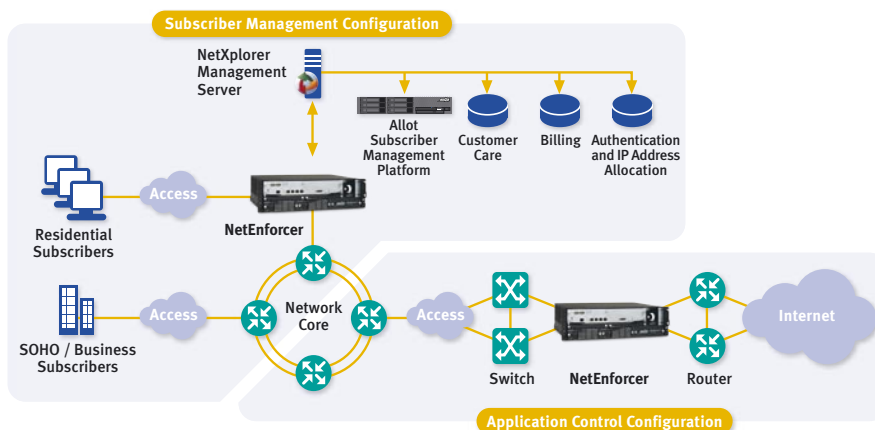
10 Gbps Bandwidth Management Devices



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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