ACG-2000
Application Control Gateway 2000

Allot ACG is your Ally for Excellent Digital Experience with a low TCO

Whether you are a small business with no IT expertise, a growing mid-size business, or running a big enterprise with distributed branches and offices - intelligent insight and control of your applications and user behavior is fundamental for your business success and reputation.

The Allot ACG-2000 is the next generation in application and network management. It is a powerful device providing advanced network control capabilities based on Allot Dynamic Actionable Recognition Technology (DART) powered by ML & AI together with advanced management and analytics capabilities.

Allot ACG-2000 enables you to control application performance to meet your business priorities, with a low TCO.

With an intuitive UI and built-in management capabilities, it lets you save your IT resources and quickly and easily configure policies to ensure business-critical applications receive top priority.

Key capabilities

- Complete visibility of all traffic and security events with customizable usage and event analytics dashboards.

- Valuable network intelligence to identify and manage business applications over recreational, shadow-IT, unmanaged devices, and other unsanctioned applications.

- Granular traffic control: The Allot Dynamic Actionable Recognition Technology (DART) engine, powered by ML & AI, inspects every single packet and classifies traffic per application, user, IP address, location, and by any static or dynamic policy element.

- Automate host and network Behavior Anomaly Detection across your entire network.

- Identify network issues accurately and rapidly with real-time monitoring and reporting dashboards, and easy drill-down to the most granular traffic and threat data.

- Simple policy toolkit for assuring quality of Digital Experience, steering, mitigation, and filtering policies to complex data center and cloud topologies.

- Intuitive and easy to use UI for DIY deployment, regular use, and maintenance.

- Real-time applications and protocols signature updates and ability to custom create signatures for private applications.

Advanced Network Analytics for a Greater Understanding of Usage and Behavior

Allot's advanced reporting and analytics dashboards tell the story of your network and applications use for the decision-makers in your organization. Real-time monitoring, usage metrics, QoE, and online behavior dashboards help you visualize application, user, and endpoint traffic, analyze their impact on network performance, and rapidly troubleshoot issues. Dashboard reports are interrelated and interactive. Drilling down, or changing the data fields of one report, instantly updates and refreshes the display of the other reports in the dashboard. It's easy to customize dashboard views, so the data you want is always at your fingertips. To share reports with others in your organization, you can schedule reports for automatic generation and distribution in PDF, HTML, XML, and CSV formats.
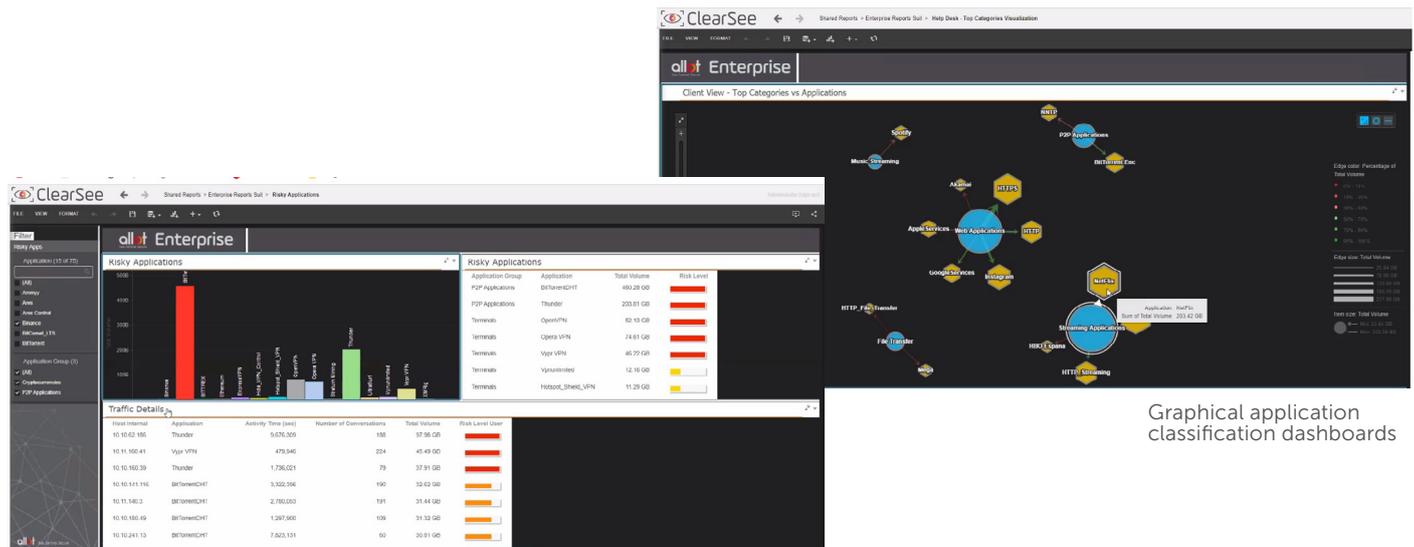
Graphical application classification dashboards

Risky application dashboards

Granular Traffic Control

The Allot Application Control Gateway allows you to virtually partition LAN, WAN, and Internet resources so that users and applications no longer compete with one another for bandwidth and high quality of Digital Experience.

The highly granular visibility provided by Allot allows you to act with the same level of granularity to maintain optimal network efficiency and high application performance. Powerful policy tools and intuitive UI help you define and enforce Acceptable Use Policy and prioritize applications that are critical to your business. For example, to improve user experience, you can dedicate minimum bandwidth to collaboration applications or prioritize real-time point-of-sale and inventory transactions over non-essential traffic. Likewise, you can block access to shadow IT or limit the use of recreational apps that could impact network and data security.

Alerts are automatically being created and sent, to authorized users, upon any degradation in users' Digital Experience or applications availability, in order prompt action will be taken prior any complaints from end users.
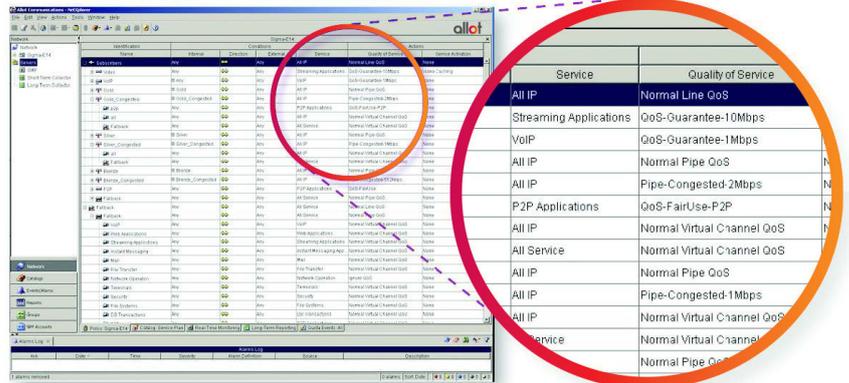
Key control capabilities include:

- o   QoS policy management
- o   Supporting hundreds of thousands of dynamic traffic policies
- o   Threshold-based enforcement (e.g., CER, live connections)

- o   Actionable alarms: you can block access to shadow IT or limit its bandwidth
- o   Identification the use of recreational apps that could impact network and data security.

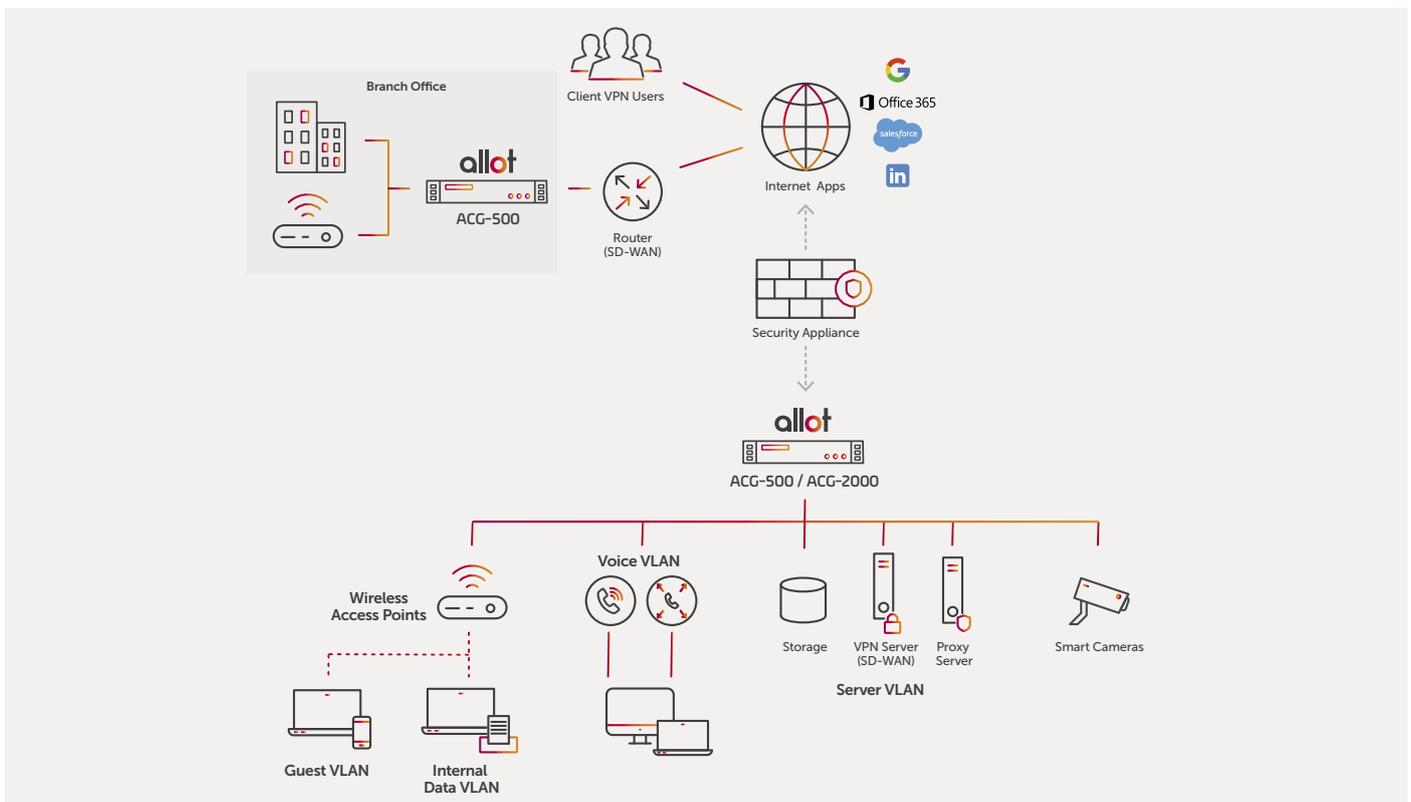## Dynamic Actionable Recognition Technology (DART)

Allot's DART engine, embedded in the platform, powered by advanced ML&AI algorithms, inspects every single packet and classifies traffic per application, user, IP address, location, and by any static or dynamic policy element you define. Allot's extensive signature library identifies thousands of web applications and protocols and also supports user-defined signatures. Automated DART protocol pack updates from the Allot cloud keep your deployment up to date with the latest application and web developments to ensure accurate traffic classification.

Powerful Policy Control

Allot's Enforcement Policy Editor allows you to define traffic-management policies that link network and application performance to business goals and user expectations. An intuitive, hierarchical framework makes it easy to define dynamic QoS enforcement policies that will be triggered automatically as traffic conditions change. A policy may include any combination of access, priority, bandwidth allocation, shaping, steering, and blocking actions to be applied to application and user traffic.

Enforcement Policy Editor

Service	Quality of Service
All IP	Normal Line QoS
Streaming Applications	QoS-Guarantee-10Mbps
VoIP	QoS-Guarantee-1Mbps
All IP	Normal Pipe QoS
All IP	Pipe-Congested-2Mbps
P2P Applications	QoS-FairUse-P2P
All IP	Normal Virtual Channel QoS
All Service	Normal Virtual Channel QoS
All IP	Normal Pipe QoS
All IP	Pipe-Congested-1Mbps
All IP	Normal Virtual Channel QoS
Service	Normal Virtual Channel
	Normal Pipe QoS

Allot ACG-2000 architecture with SMB/SME/Enterprise remote office ecosystem

Benefits

o **Low TCO application control**
Saving of IT resources through intuitive and easy-to-use UI, which allows DIY deployment and ongoing use of the system

o **Protects Business Reputation**
Ensures business critical applications receive top priority

o **Improves Business Efficiency**
Assures optimized Digital Experience for employees and business applications

o **Minimize revenue loss, due to network down time**
Real Time troubleshooting of network and applications issues and rapid identification of behavioral anomalies in your network and servers in seconds

o **Empower your IT experts**
The Allot ACG-2000 gives your IT team significant insight and intelligence into your applications and network, all in one appliance

Allot ACG-2000 Specifications

The Allot ACG-2000 is available pre-installed on a 1U server appliance.

Maximum Capacity	
Throughput	2 Gbps
IP Flows	4 million
Number of Traffic Control Policies: Lines / Pipes / Virtual Channels	512 / 40K / 80K
System Interfaces	
Ethernet Interfaces	4 x 1GbE/10GbE (SFP+)
Ethernet Interfaces Types	10GbE SR/LR 1GbE LX/SX Dual rate 1GbE RJ-45 Copper
Management	2 X 1GbE (RJ-45) Lenovo firmware (XCC)
Availability	
External Bypass	Independent, passive bypass unit. All units are 1U 19" rack mount.
HD Multi-Port Bypass Units	8-port unit 2.44kg (5.38lb)
Management	Active-Standby HA on management ports
Capacity	
Number of Hosts/Employees	2,000
Data Retention	Real-time: 5-minute data: 12 hours Hourly data: 31 days Daily data: 62 days Monthly data: 12 months
Dimensions	
Appliance form factor	Standard 1U by 19" rack mount
Size	Width: 435 mm (17.1 in.), Height: 43 mm (1.7 in.), Depth: 750 mm (29.5 in.).
Weight (max)	18.8 kg (41.4 lb)
Power	
Input	230/115v
Number of PSUs	2
PSU Redundancy	1+1
Total Output Power	800W
Heat Dissipation	3357 BTU/hour (maximum)
Operating Environment	
Temperature	5° to 45°C (41° to 113°F) at sea level
Humidity	8% to 90% relative humidity
Altitude	3050 m (10,000 ft)
Regulations and Safety	
FCC Rating	Class A
Safety	EN 60950-1; IEC 60950-1
EMC (Electromagnetic Compliance)	AS/NZS CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254, K22;K24; 61000-3-2; EN 61000-3-3

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