



Allot Smart5G


Harness machine learning, artificial intelligence and cutting-edge DPI technology for superior 5G QoE


The 5G Challenge


As communication service providers (CSPs) transition to 5G networks, the need for actionable network intelligence will only grow. To meet customer expectations for enhanced mobile broadband, massive IoT, and ultra-low latency applications, CSPs will need granular visibility and control of network and application performance. As demand inevitably catches up with capacity, meeting SLAs and delivering high Quality of Experience (QoE) will be an ongoing challenge that CSPs must meet successfully.


Smart5G:

Allot Smart5G encompasses all of Allot Smart functionality, adapted for use in 5G networks. With Smart5G you can deploy industry leading network intelligence and control any way that suits you. Smart5G can be deployed as a fully containerized cloud-native solution, as a virtualized, ETSI compliant NFV deployment, and in scalable hardware form factors, ranging from small footprint appliances and all the way up to clustered Tb/s platforms. Smart5G functionality covers the following areas:

 **Visibility**
actionable analytics, powered by granular inspection of network, service, user, and device traffic, even when encrypted, supporting complex use cases like encrypted video QoE assurance

 **Policy and Charging Control**
flexible enforcement of bandwidth allocation, data quotas, and service package limits, including prevention of tethering abuse

 **Traffic Management**
advanced traffic shaping, including dynamic enforcement of bandwidth prioritization, to ensure high QoE for performance-sensitive apps

 **Regulatory Compliance**
compliance with government regulations aimed at protecting the population from dangerous or inappropriate content

Features

5G DPI & advanced traffic control enable granular analytics, subscriber aware traffic & policy enforcement, and more, through 5G SBA core integration.

Granular traffic visibility

Overcome encryption to provide detailed visibility into application and sub-application behavior and usage

Advanced traffic control

Configure and enforce enhanced QoS capabilities, including hierarchical and orthogonal policies to achieve desired prioritization and deliver optimal end-user QoE.

Flexible deployment

Deploy as fully containerized cloud-native, virtualized, ETSI compliant NFV, or in scalable hardware form factors ranging all the way up to clustered Tb/s platforms.

Benefits

Higher customer satisfaction and lower costs will improve your network ROI.

- Satisfied Customers - Ensure end-user QoE through actionable intelligence, powered by granular visibility into network, user, application, and device behavior, as well as into encrypted traffic, video, and VPNs.
- Optimal Network Traffic Performance – Defer costly expansion by getting the most out of deployed infrastructure. Overcome congestion by prioritizing performance-sensitive applications to ensure end-user satisfaction, despite high loads.
- Increased monetization – Enable and enforce tiered services through flexible policy enforcement, while preventing tethering abuse.

