SERVICE GATEWAY 9000 SERIES

Visibility, Control, and Security for the Enterprise

Network service performance and application delivery assurance are critical to user satisfaction and business success.

The Allot Service Gateway 9000 (SG-9000) series enables your IT, network and security teams to assure and protect network services and application delivery.

Seamlessly integrated into enterprise networks, the SG-9000 provides centralized traffic management and QoE based application control for high levels of user satisfaction, network hygiene, a reduced attack surface, and bot and DDoS mitigation for higher levels of protection.

Together with business analytics, the SG-9000 enables you to see and understand everything that is happening on your company network. As a result, you can act faster and more decisively to make any size network operate better, faster, and more safely.



With hunders Gbps performance the SG-9000 can be placed at central network junctions, providing visibility, control and security across the WAN, datacenter LAN and Internet.

These multi-service platforms enable medium and large enterprises, MSPs, datacenter and cloud service providers to ensure that the network is optimized to best meet business requirements.

BENEFITS

- Assures and protects network service and application delivery
- Empowers informed, data-driven decisions with business analytics (e.g., making infrastructure investments and upgrades where and when they are needed)
- Allows you to know and control everything that is on your network
- Provides control of recreational traffic and prevents abuse of corporate resources
- Identifies and solves problems before they escalate with real-time traffic monitoring for increased operational efficiency
- Identifies and manages apps and devices that create potential security risks
- Delivers high capacity for demanding environments
- Supplies high-density 1/10/25/100 Gigabit Ethernet connectivity
- Easy installation and pay-as-you-grow scalability

Technical Specifications

	ALLOT SG-9100E	ALLOT SG-9300R
CAPACITY		
Throughput per Platform*	50Gbps*	Up to 150 Gbps*
Number of Connections / Flows	12,000,000/24,000,000	36,000,000/72,000,000
Number of registered Users / Subscribers	1,000,000	2,500,000
Number of Static Lines / Pipes / Virtual Channels	512/5000/15000	512/5000/15000
Number of Active Lines / Pipes / Virtual Channels	10K/1000K/2000K	10,000/1,800,000/4,500,000
STANDARDS		
Ethernet Interfaces	16 ports of 1/10/25GE 1GBASE-T, 1GBASE - SX/LX, 10GBASE - SR/LR, 25GBASE -SR/LR** (SFP28)	12 ports of 1/10/25** GE 1GBASE-T, 1GBASE - SX/LX, 10GBASE - SR/LR, 25GBASE -SR/LR** (SFP28) 4 Port 100 GE 100GBASE - SR4/LR4 (QSFP28)
Management	2 x 1/10 Gigabit Ethernet	4 x 1/10 Gigabit Ethernet
NETWORKING STANDARDS		
Tunnel and Encapsulation Support	Including L2TP v1/2, MPLS, PPPoE, GRE, GTP, 6rd, Teredo, SNAP, DS-Lite/MAP-E and others	Including L2TP v1/2, MPLS, PPPoE, GRE, GTP, 6rd, Teredo, SNAP, DS-Lite/MAP-E and others
IP Version	IPv4, IPv6	IPv4, IPv6
Access Technology Support	2G, 3G, 4G/LTE, 5G, CDMA, DOCSIS, WiMAX, DSL, FTTx, PON	2G, 3G, 4G/LTE, 5G, CDMA, DOCSIS, WiMAX, DSL, FTTx, PON

* Throughput values in this document were measured in the Allot lab under specific use cases and settings. Actual throughput and performance metrics depend on enabled features, policy configuration, traffic mix, and other deployment characteristics.

** 25Gbps support will be available during 2027

Technical Specifications

	ALLOT SG-9100E	ALLOT SG-9300R
PRODUCT OPTIONS		
Network Analytics	Real-time/Long-Term Monitoring and Reporting	Real-time/Long-Term Monitoring and Reporting
High Availability	Active redundancy (1:1, 1+1), Bypass	Active redundancy (1:1, 1+1), Bypass
Asymmetric Traffic Control	Yes	Yes
PHYSICAL CHARACTERISTICS		
Form Factor	2U 19" rack mount	2U 19" rack mount
Size	8.68 x 48.20 x 80.23 cm (3.42 x 18.98 x 31.59 in), with Bezel	8.68 x 48.20 x 80.23 cm (3.42 x 18.98 x 31.59 in), with Bezel
Weight	25.5 kg (56.2 lbs)	25.5 kg (56.2 lbs)
Power	AC - 1100W Titanium 100-240VAC,Hot-Plug MHS, dual redundant (1+1) power supply DC - 1500W Titanium -48V DC, Hot-Plug MHS, dual redundant (1+1) power supply	AC - 1100W Titanium 100-240VAC, Hot-Plug MHS, dual redundant (1+1) power supply DC - 1500W Titanium -48V DC, Hot-Plug MHS, dual redundant (1+1) power supply
Operating Temperature/Environment	10°C to 35°C (50°F to 95°F) Relative humidity (%RH) 8% to 90%	10°C to 35°C (50°F to 95°F) Relative humidity (%RH) 8% to 90%
AVAILABILITY		
System Redundancy	Dual hot plug redundant power supply	Dual hot plug redundant power supply
Hardware Bypass	Independent, passive bypass unit	Independent, passive bypass unit
Bypass Configuration (up to)	Up to two units of the following bypass devices depending on the interfaces used and available: 8 RJ45-RJ45 1G copper ports (4 links), or 8 LC-LC MM/SM fiber-optic ports (4 links), or 16 LC-LC MM/SM fiber-optic ports (8 links), or 24 LC-6 MTP MM/SM fiber-optic ports (12 links)	Two units, 8 LC-LC MM/SM fiber-optic ports (4 links), or Two units, 16 LC-LC MM/SM fiber-optic ports (8 links), or Two units, 24 LC-6 MTP MM/SM fiber-optic ports (12 links), or Two units, 4 MTP-MTP MM fiber-optic ports (2 links of SR4 100G) Two units, 6 MTP-MTP MM fiber-optic ports (3 links of SR4 100G)
STANDARDS COMPLIANCE		
HD-8 Multi-Port Bypass Unit	External 1U 19" rack mount, 2.44kg (5.38lb)	External 1U 19" rack mount, 2.44kg (5.38lb)
HD-16 Multi-Port Bypass Unit	External 1U 19" rack mount, 2.64kg (5.82lb)	External 1U 19" rack mount, 2.64kg (5.82lb)
HD-24 Multi-Port Bypass	Unit External 1U 19" rack mount, 2.86kg (6.3lb)	Unit External 1U 19" rack mount, 2.86kg (6.3lb)
Safety	UL60950 CE CB	UL60950 CE CB
EMC (Electromagnetic Compliance)	FCC CE VCCI ICES	FCC CE VCCI ICES
Environmental	RoHS, China ROHS WEEE REACH	RoHS, China ROHS WEEE REACH

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ALLOT

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