



StreamGroomer 3412e

Designed to leverage all the features of the Streamcore software suite to ensure user experience at remote sites at up to 50 Mbps

Delivering IT as a service on today's hybrid networks is challenging, and IT service users need quality service, at all times, to achieve expected business results. Whether business-critical applications are hosted in traditional data centers or in the cloud, users need to get good performance no matter where they are on the available network. As business services become more complex, leveraging distributed applications in the cloud, and as users become increasingly mobile, networks must adapt to changing connectivity and performance requirements. Competitors are demanding this flexibility and efficiency from IT departments; any degradation in performance is unacceptable.

Streamcore's WAN performance management solutions facilitate the following tasks:

- Monitor any application, communication or public/private cloud service on the network
- Inspect, classify, measure, analyze and report on departmental performance
- Interrupt performance slowdowns in real time or off-line
- Control, shape and accelerate traffic to maximize the quality of the user experience

StreamGroomer (SG) network probes monitor, supervise, control and accelerate application flows across the WAN. Deep packet inspection (DPI) and a library of well-known application protocols classify application flows for measurement, control and acceleration, both for reporting and active optimization of network performance. StreamGroomers uses several techniques to optimize the quality of service of interactive applications and multimedia services, shape application bandwidth and reduce the transit time of information transfers. All together, StreamGroomers ensures that users receive good performance regardless of where they are on the network and under all network traffic conditions.

StreamGroomers integrate seamlessly into simple and complex networks: Internet, MPLS, 802.1Q trunk, multi-link, load balancing, redundancy, symmetric/asymmetric bandwidth, and hybrid combinations. Application flows are monitored and optimized across multiple network paths with other StreamGroomers, cloud acceleration services, mobile acceleration clients, and even sites without

StreamGroomers to ensure good user perception of performance in all hybrid demand conditions.

StreamGroomers are positioned between LAN and WAN firewalls/access routers (inline or on a bypass/mirror port) with a fail-safe bypass. For high-availability architectures, a pair of StreamGroomers in dual [parallel] or tandem tandem [serial] mode can be deployed to ensure continuous service under all circumstances. Deployment is easily automated using a USB key for initialization and centralized management of operations via an out-of-band administration network port.

Benefits:

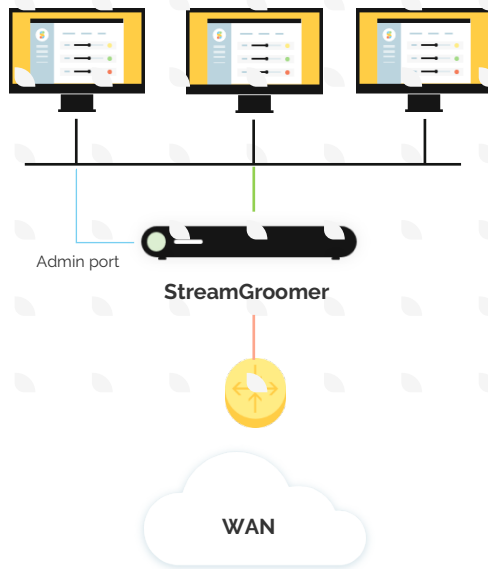
- Ensures the user experience
- Optimized network performance
- Application-oriented analysis
- Hybrid, multi-link networks
- High availability solutions
- Centralized management
- Automated configuration

StreamGroomer Features

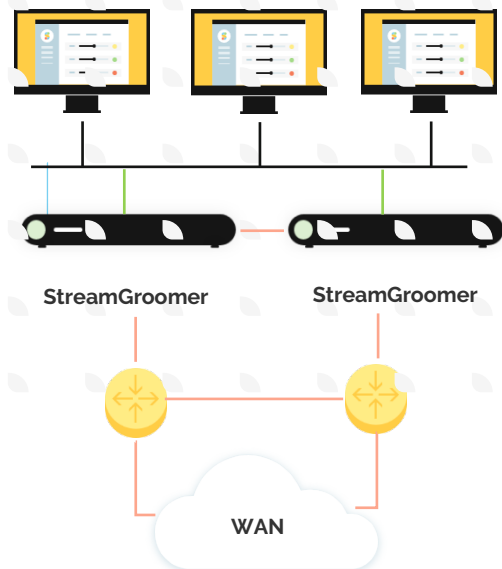
- Advanced traffic classification using Deep Packet Inspection (DPI)
- Monitoring and management of flows according to applications
- WAN flow acceleration
- Quality of Service (QoS) control per user session
- Seamless integration between LAN and WAN
- Support for complex hybrid network architectures
- 802.1Q VLAN trunk, redundant access with asymmetric traffic
- Cooperation with service classes
- Integrated bypass
- Out-of-band administration
- Initial configuration with a USB key or a console port
- SNMP Agent (MIB II, MIB Bridge and MIB Streamcore)



Simple



Dual



Features

Performance

- Line speed - Up to 50 Mbps
- Number of peers - 5
- Max. number of TCP sessions - 5,000
- Bidirectional rules max. - 500

Interfaces

- Ethernet 10/100/1000Base-T
- 4x integrated LAN/WAN bypass
- 1x out-of-band administration
- 1x EXT for Dual Mode

USB

- 2x USB 2.0

Asynchronous series

- 1x console, RS-232C, RJ-45

Size and environment

- Height - 4.4 cm
- Width - 24 cm
- Depth - 16.6 cm
- Weight - 1.2 kg
- Temperature - 0 - 40°C
- Humidity - 5-90% with condensation / 5-95% without condensation

Power supply

- External, 100-240 VAC, 50/60 Hz, 36 W

MTBF

- > 45,000 hours

Compliance

- CE Class B, FCC Class B, RoHS

¹The maximum throughput depends on the configured services as well as the number of rules and filters defined on the StreamGroomer, the actual traffic and the number of sessions

²The maximum number of partners is constrained by cache size and power. Contact a technical consultant to evaluate the specifics of your configuration.