Содержание

10 Licensing

- Stingray Service Gateway (SSG) liceinsing depends on the bandwidth and its features.
- The license is unlimited, not limited in time.
- Technical support is not included in the license and is paid separately.

Bandwidth

Licenses grading of the bandwidth: **SSG-6/10/20/40/60/80/100/120/200**. Pay attention to the hardware requirements!
Depending on the installation scheme, the following restrictions are assumed:

1. When installing "in line" scheme

- SSG-6 corresponds to 5Gb/s of incoming and to 1Gb/s of outgoing traffic
- SSG-10 corresponds to 8Gb/s of incoming and to 2Gb/s of outgoing traffic
- SSG-20 corresponds to 15Gb/s of incoming and to 5Gb/s of outgoing traffic
- SSG-40 corresponds to 30Gb/s of incoming and to 10Gb/s of outgoing traffic
- SSG-60 corresponds to 45Gb/s of incoming and to 15Gb/s of outgoing traffic
- SSG-80 corresponds to 60Gb/s of incoming and to 20Gb/s of outgoing traffic
- SSG-100 corresponds to 75Gb/s of incoming and to 25Gb/s of outgoing traffic
- SSG-120 corresponds to 90Gb/s of incoming and to 30Gb/s of outgoing traffic

> Licensing includes ISP traffic asymmetry. Usually, the incoming traffic is three times more than the outgoing one.
> **For example, Incoming - 6G, Outgoing - 2G. License - SSG-10.**

2. When installing using the "mirror" scheme

- SSG-6 corresponds to 6Gb/s of total incoming traffic
- SSG-10 corresponds to 10Gb/s of total incoming traffic
- SSG-20 corresponds to 20Gb/s of total incoming traffic
- SSG-40 corresponds to 40Gb/s of total incoming traffic
- SSG-60 corresponds to 60Gb/s of total incoming traffic
- SSG-80 corresponds to 80Gb/s of total incoming traffic
- SSG-100 corresponds to 100Gb/s of total incoming traffic
- SSG-120 corresponds to 120Gb/s of total incoming traffic

License Exceeding

> If the license parameters are exceeded by the bandwidth, the DPI will process the traffic until the stored reserves are exhausted, when the reserves are exhausted the traffic will be skipped without processing. You can limit the bandwidth yourself using channel policing, this is only relevant if the total bandwidth over the ports exceedes the license bandwidth specification.

Features

Licenses grading of the features: **Base/BNG/Complete**

Options	BASE	BNG	COMPLETE
Bypass	Yes	Yes	Yes
Filtering by the blocklisted internet sites	Yes	Yes	Yes
Statistics gathering and analysis on protocols and directions	Yes	Yes	Yes
Traffic prioritization depending on protocols and directions	Yes	Yes	Yes
Common channel policing	Yes	Yes	Yes
Subscriber notification and marketing campaigns	Yes	Yes	Yes
Subcribers channel policing for IPv4 and IPV6	No	Yes	Yes
Allow Lists and Captive Portal	No	Yes	Yes
BNG L3 (IPoE), Dual Stack IPv4/IPv6, Radius with CoA	No	Yes	Yes
BNG L2 (PPPoE, DHCP), Dual Stack IPv4/IPv6	No	Yes	Yes
Carrier-Grade NAT	No	Yes	Yes
Lawful interception (LI)	No	Optional	Yes
Ads blocking and replacing	No	Optional	Yes
Mini-Firewall for blocking on certain ports	No	Optional	Yes
Protection against DOS and DDOS attacks	No	Optional	Yes
One-year Support and Subscription Services	Yes	Yes	Yes
Adding banners to HTTP resorses	Subscription		
Categorization of web resorses	Subscription		
Reserve License			
Stand by License	25% from main License		

● Yes   ○ Optional   ✖ No