

# Security Products Comparison Chart

SRX Series and vSRX Performance and Features Matrix		SRX300	SRX320	SRX340	SRX345	SRX550M	SRX1500
		Branch / office	Branch / office	Branch / office	Branch / office	Branch / office	Regional / campus
Performance	Firewall throughput (large packets)	1 Gbps	1 Gbps	3 Gbps	5 Gbps	8 Gbps	9 Gbps
	Firewall throughput (IMIX)	500 Mbps	500 Mbps	1 Gbps	1.7 Gbps	2.5 Gbps	5 Gbps
	IPsec VPN 3DES/AES throughput (large packets)	300 Mbps	300 Mbps	600 Mbps	800 Mbps	1 Gbps	1 Gbps
	IPS throughput	200 Mbps	200 Mbps	400 Mbps	600 Mbps	800 Mbps	3 Gbps
	Antivirus (Sophos AV) throughput	100 Mbps	100Mbps	150 Mbps	190 Mbps	290 Mbps	1.2 Gbps
	Sky Advanced Threat Prevention	N/A	N/A	180 Mbps	230 Mbps	430 Mbps	1.6 Gbps
	Maximum concurrent sessions	64K	64K	256K	375K	375K	2M
	Connections/sec	5K	5K	10K	15K	27K	50K
Interfaces	8x1GbE [6 RJ-45 +2 SFP]	8x1GbE[6 RJ-45 + 2 SFP], optional PoE 2 Mini PIM: T1/E1, VDSL2, Serial	16x1GbE [8 RJ-45 +8 SFP] 4 Mini PIM: T1/E1, VDSL2, Serial	16x1GbE [8 RJ-45 +8 SFP], 4 Mini PIM: T1/E1, VDSL2, Serial	6 10/100/ 1000BASE-T + 4 SFP, 8 I/O slots supporting GbE, PoE, SFP, VDSL, Serial, T1, E1, DS3, E3	16 1GbE (12 Cu+4 SFP) + 4 x10GbE (SFP+)	
Firewall	DoS and DDoS protection (Layers 3 and 4)	X	X	X	X	X	X
	TCP reassembly for fragmented packet protection	X	X	X	X	X	X
	Brute force attack mitigation	X	X	X	X	X	X
	SYN cookie protection	X	X	X	X	X	X
	Zone-based IP spoofing	X	X	X	X	X	X
	Malformed packet protection	X	X	X	X	X	X
VPN	IPsec VPN	X	X	X	X	X	X
Security Intelligence for advanced threat protection	Spotlight Secure	X	X	X	X	X	X
	Sky Advanced Threat Prevention	N/A	N/A	X	X	X	X
NGFW/L7 Security Services	Intrusion Prevention System (IPS)	X	X	X	X	X	X
	AppTrack	X	X	X	X	X	X
	AppFirewall	X	X	X	X	X	X
	AppQoS	X	X	X	X	X	X
	AppID (application awareness)	X	X	X	X	X	X
	User firewall: On-box	X	X	X	X	X	X
	User firewall: Integrated w/Juniper's Unified Access Control (UAC)	X	X	X	X	X	X
	SSL Forward Proxy	N/A	N/A	X	X	X	X
	SSL Reverse Proxy	N/A	N/A	N/A	N/A	X	X
UTM <sup>9</sup>	Antivirus	X	X	X	X	X	X
	Antispam	X	X	X	X	X	X
	Web filtering	X	X	X	X	X	X
	Content filtering	X	X	X	X	X	X
Networking	Routing	OSPF, BGP, RIPv1/ v2, MPLS, Multicast	OSPF, BGP, RIPv1/ v2, MPLS, Multicast	OSPF, BGP, RIPv1/ v2, MPLS, Multicast	OSPF, BGP, RIPv1/ v2, MPLS, Multicast	OSPF, BGP, RIPv1/ v2, MPLS, Multicast	OSPF, BGP, RIPv1/ v2, MPLS, Multicast
	Multiple WAN, WLAN, LAN options	X	X	X	X	X	N/A
Availability	High Availability (A/P, A/A) <sup>1</sup>	X	X	X	X	X	X
	Separate control and data planes	X	X	X	X	X	X
	In-service software & hardware upgrade	N/A	N/A	N/A	N/A	N/A	N/A
NAT	NAT	X	X	X	X	X	X
Management	Centralized management	X	X	X	X	X	X

SRX Series and vSRX Performance and Features Matrix		SRX4100	SRX4200	SRX5400	SRX5600	SRX5800	vSRX*
		Medium data center/large enterprise	Medium data center/large enterprise	High-performance data center	High-performance data center	High-performance data center	Virtual data center/public or private cloud
Performance	Firewall throughput (large packets)	40 Gbps	80 Gbps	480 Gbps**	960 Gbps**	2 Tbps**	UDP 1514B pkts: VMware: 20 Gbps; KVM: 20 Gbps
	Firewall throughput (IMIX)	20 Gbps	40 Gbps	468 Gbps	936 Gbps	2 Tbps	VMware: 5.4Gbps KVM: 5.4 Gbps
	IPsec VPN 3DES/AES throughput (large packets)	5 Gbps	10 Gbps	35 Gbps	100 Gbps	200 Gbps	AES+SHA1, VMware: 7 Gbps; KVM: 7Gbps
	IPS throughput	8 Gbps	20 Gbps	22 Gbps	50 Gbps	100 Gbps	VMware: 5.2 Gbps KVM: 5.2 Gbps
	Antivirus (Sophos AV) throughput	3 Gbps	6 Gbps	N/A	5.8 Gbps	13.5 Gbps	VMware: 1.9 Gbps KVM: 1.9Gbps
	Sky Advanced Threat Prevention	4 Gbps	8 Gbps	10 Gbps	28 Gbps	57 Gbps	N/A
	Maximum concurrent sessions	5M	10M	42M	114M	234M	1M
	Connections/sec	175K	350K	420K	1M	2M	VMware: 60K; KVM: 60K
	Interfaces	8 10GbE (SFP+)	8 10GbE (SFP+)	Multiple options: 1GbE 10GbE 40GbE 100GbE	Multiple options: 1GbE 10GbE 40GbE 100GbE	Multiple options: 1GbE 10GbE 40GbE 100GbE	Virtual NICs: VMware: 10; VM: 10
Firewall	8 10GbE (SFP+)	X	X	X	X	X	X
	TCP reassembly for fragmented packet protection	X	X	X	X	X	X
	Brute force attack mitigation	X	X	X	X	X	X
	SYN cookie protection	X	X	X	X	X	X
	Zone-based IP spoofing	X	X	X	X	X	X
	Malformed packet protection	X	X	X	X	X	X
VPN	IPsec VPN	X	X	X	X	X	X
	Spotlight Secure	X	X	X	X	X	X
Security Intelligence for advanced threat protection	Spotlight Secure	X	X	X	X	X	X
	Sky Advanced Threat Prevention	X	X	X	X	X	X

\* Performance, capacity and features listed are based on the vSRX running Junos OS 15.1X49-D70 using 5 vCPUs and 8GB memory and are measured under ideal testing conditions. Actual results may vary based on Junos OS releases and by deployments. For vSRX, the reference platform for performance was an HP – Proliant DL580: Gen 9 E7-8890 v3, 2.4 Ghz CPUs, Hyper Threading: Disabled and with Intel 82599 NIC ixgbe version: 4.21. VMware tests were based on ESXi6.0; KVM tests were based on Ubuntu-16.04 with DPDK based OVS: 2.7.0. All performance numbers are "up to" and will depend on underlying hardware configuration (some server configurations may perform better).

\*\* Firewall throughput (large packets) numbers on the SRX5400, SRX5600, and SRX5800 platforms are with ExpressPath enabled.

SRX Series and vSRX Performance and Features Matrix		SRX4100	SRX4200	SRX5400	SRX5600	SRX5800	vSRX
		Medium / large data center	Medium / large data center	High-performance data center	High-performance data center	High-performance data center	Virtual data center/ public or private cloud
NGFW/L7 Security Services	Intrusion Prevention System (IPS)	X	X	X	X	X	X
	AppTrack	X	X	X	X	X	X
	AppFirewall	X	X	X	X	X	X
	AppQoS	X	X	X	X	X	X
	AppID (application awareness)	X	X	X	X	X	X
	User firewall: On-box	X	X	X	X	X	X
	User firewall: Integrated w/Juniper's Unified Access Control (UAC)	X	X	X	X	X	X
	SSL Forward Proxy	X	X	X	X	X	X
UTM <sup>9</sup>	SSL Reverse Proxy	X	X	X	X	X	X
	Antivirus	X	X	X	X	X	X
	Antispam	X	X	X	X	X	X
	Web filtering	X	X	X	X	X	X
Networking	Content filtering	X	X	X	X	X	X
	Routing	OSPF, BGP, RIPv1/v2, Multicast	OSPF, BGP, RIPv1/v2, Multicast	OSPF, BGP, RIPv1/v2, Multicast	OSPF, BGP, RIPv1/v2, Multicast	OSPF, BGP, RIPv1/v2, Multicast	OSPF, BGP, RIPv1/v2, Multicast
Availability	Multiple WAN, WLAN, LAN options	N/A	N/A	N/A	N/A	N/A	N/A
	High Availability (A/P, A/A) <sup>1</sup>	X	X	X	X	X	X
	Separate control and data planes	X	X	X	X	X	X
	In-service software & hardware upgrade	X	X	X	X	X	N/A
NAT	NAT	X	X	X	X	X	X
Management	Centralized management	X	X	X	X	X	X

1.High availability definitions: A/P = Active / Passive mode, A/A = Active / Active mode.

## Juniper Networks SRX Series Datasheets

SRX300 Line of Services Gateways datasheet:

[www.juniper.net/assets/us/en/local/pdf/datasheets/1000550-en.pdf](http://www.juniper.net/assets/us/en/local/pdf/datasheets/1000550-en.pdf)

SRX Series Services Gateways for the Branch datasheet:

[www.juniper.net/us/en/local/pdf/datasheets/1000281-en.pdf](http://www.juniper.net/us/en/local/pdf/datasheets/1000281-en.pdf)

SRX1500 Services Gateway datasheet:

[www.juniper.net/assets/us/en/local/pdf/datasheets/1000551-en.pdf](http://www.juniper.net/assets/us/en/local/pdf/datasheets/1000551-en.pdf)

SRX4000 Line of Services Gateways datasheet:

[www.juniper.net/assets/de/de/local/pdf/datasheets/1000600-en.pdf](http://www.juniper.net/assets/de/de/local/pdf/datasheets/1000600-en.pdf)

SRX5000 Line of Services Gateways datasheet:

[www.juniper.net/us/en/local/pdf/datasheets/1000254-en.pdf](http://www.juniper.net/us/en/local/pdf/datasheets/1000254-en.pdf)

vSRX Virtual Services Gateway datasheet:

[www.juniper.net/us/en/local/pdf/datasheets/1000489-en.pdf](http://www.juniper.net/us/en/local/pdf/datasheets/1000489-en.pdf)

## Juniper Networks Service and Support

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