

Security Products Comparison Chart

| SRX Series and vSRX Performance and Features Matrix | | SRX300 | SRX320 | SRX340 | SRX345 | SRX380 | SRX550M | SRX1500 |
|---|--|---|---|--|---|---|---|---|
| | | Branch / office | 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 | 10 Gbps | 8 Gbps | 9 Gbps |
| | Firewall throughput (IMIX) | 500 Mbps | 500 Mbps | 1 Gbps | 1.7 Gbps | 4 Gbps | 2.5 Gbps | 5 Gbps |
| | IPsec VPN 3DES/AES throughput (large packets) | 300 Mbps | 300 Mbps | 600 Mbps | 800 Mbps | 3.5 Gbps | 1 Gbps | 1.3 Gbps |
| | IPS throughput | 200 Mbps | 200 Mbps | 400 Mbps | 600 Mbps | 2 Gbps | 800 Mbps | 3 Gbps |
| | Antivirus (Sophos AV) throughput | 100 Mbps | 100Mbps | 150 Mbps | 190 Mbps | 850 Mbps | 290 Mbps | 1.2 Gbps |
| | Cloud Advanced Threat Prevention | N/A | N/A | 180 Mbps | 230 Mbps | 1 Gbps | 400 Mbps | 1.6 Gbps |
| | Maximum concurrent sessions | 64K | 64K | 256K | 375K | 380K | 375K | 2M |
| | Connections/sec | 5K | 5K | 10K | 15K | 50K | 27K | 90K |
| | Interfaces | 8x1GbE [6 RJ-45 +2 SFP] | 8x1GbE[6 RJ-45 + 2 SFP], optional PoE 2 Mini PIM: T1/E1, VDSL2, Serial, 4G/LTE, Wi-Fi | 16x1GbE [8 RJ-45 +8 SFP] 4 Mini PIM: T1/E1, VDSL2, Serial, 4G/LTE, Wi-Fi | 16x1GbE [8 RJ-45 +8 SFP], 4 Mini PIM: T1/E1, VDSL2, Serial, 4G/LTE, Wi-Fi | 16x1GbE [RJ-45 PoE+], [4 10GbE SFP+], 4 Mini PIM: T1/E1, VDSL2, Serial, 4G/LTE, Wi-Fi | 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 | X |
| | TCP reassembly for fragmented packet protection | X | X | X | X | X | X | X |
| | Brute force attack mitigation | X | X | X | X | X | X | X |
| | SYN cookie protection | X | X | X | X | X | X | X |
| | Zone-based IP spoofing | X | X | X | X | X | X | X |
| | Malformed packet protection | X | X | X | X | X | X | X |
| VPN | IPsec VPN | X | X | X | X | X | X | X |
| Security Intelligence for advanced threat protection | Advanced Threat Prevention Cloud | N/A | N/A | X | X | X | X | X |
| NGFW/L7 Security Services | Intrusion Prevention System (IPS) | X | X | X | X | X | X | X |
| | AppTrack | X | X | X | X | X | X | X |
| | AppFirewall | X | X | X | X | X | X | X |
| | AppQoS | X | X | X | X | X | X | X |
| | AppID (application awareness) | X | X | X | X | X | X | X |
| | User firewall: On-box | X | X | X | X | X | X | X |
| | User firewall: Integrated w/Juniper's Unified Access Control (UAC) | X | X | X | X | X | X | X |
| | SSL Forward Proxy | N/A | N/A | X | X | X | X | X |
| | SSL Reverse Proxy | N/A | N/A | N/A | N/A | N/A | X | X |
| UTM⁹ | Antivirus | X | X | X | X | X | X | X |
| | Antispam | X | X | X | X | X | X | X |
| | Web filtering | X | X | X | X | X | X | X |
| | Content filtering | X | 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 | OSPF, BGP, RIPv1/v2, MPLS, Multicast |
| | Multiple WAN, WLAN, LAN options | X | X | X | X | X | X | N/A |
| Availability | High Availability (A/P, A/A) ¹ | X | X | X | X | X | X | X |
| | Separate control and data planes | X | X | X | X | X | X | X |
| | In-service software & hardware upgrade | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| NAT | NAT | X | X | X | X | X | X | X |
| Management | Centralized management | X | X | X | X | X | X | X |

| SRX Series and vSRX Performance and Features Matrix | | SRX4100 | SRX4200 | SRX4600 | SRX5400 | SRX5600 | SRX5800 | vSRX* |
|--|---|---|---|---|---|---|---|---|
| | | Medium data center/ large enterprise | 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 | 95 Gbps | 480 Gbps** | 960 Gbps** | 2 Tbps** | 98 Gbps |
| | Firewall throughput (IMIX) | 20 Gbps | 40 Gbps | 75 Gbps | 270 Gbps | 480 Gbps | 1 Tbps | 27 Gbps |
| | IPsec VPN 3DES/AES throughput (large packets) | 10.5 Gbps | 21 Gbps | 55 Gbps | 60 Gbps | 120 Gbps | 230 Gbps | AES+SHA1, 16 Gbps |
| | IPS throughput | 15 Gbps | 30 Gbps | 65 Gbps | 230 Gbps | 460 Gbps | 860 Gbps | 36 Gbps |
| | Antivirus (Sophos AV) throughput | 3 Gbps | 6 Gbps | 13 Gbps | N/A | 5.8 Gbps | 13.5 Gbps | 9 Gbps |
| | Advanced Threat Prevention Cloud | 4 Gbps | 8 Gbps | 11 Gbps | 10 Gbps | 28 Gbps | 57 Gbps | 6.7 Gbps |
| | Maximum concurrent sessions | 5M | 10M | 60M | 91M | 182M | 338M | 24M |
| | Connections/sec | 250K | 500K | 600k | 1M | 2M | 4M | 612K |
| | Interfaces | 8 1GbE/10GbE (SFP+) | 8 1GbE/10GbE (SFP+) | 8 10GbE (SFP+) 4 40GbE/100GbE (QSFP28) | 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 | DoS and DDoS protection (Layers 3 and 4) | X | X | X | X | X | X | X |
| | TCP reassembly for fragmented packet protection | X | X | X | X | X | X | X |
| | Brute force attack mitigation | X | X | X | X | X | X | X |
| | SYN cookie protection | X | X | X | X | X | X | X |
| | Zone-based IP spoofing | X | X | X | X | X | X | X |
| | Malformed packet protection | X | X | X | X | X | X | X |
| | IPsec VPN | X | X | X | X | X | X | X |
| VPN | IPsec VPN | X | X | X | X | X | X | X |
| Security Intelligence for advanced threat protection | Advanced Threat Prevention | X | X | X | X | X | X | X |

* Performance, capacity and features listed are based on the vSRX using 17 vCPUs and 32GB memory, running on a KVM Hypervisor and 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 on a host running on Intel(R) Xeon(R) CPU E7-8890 v3 @ 2.50GHz with Hyper Threading disabled. The NIC used was XL710/ X710 with the i40e vNIC driver. 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 | SRX4600 | SRX5400 | SRX5600 | SRX5800 | vSRX |
|---|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|
| | | Medium / large data center | 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 | X |
| | AppTrack | X | X | X | X | X | X | X |
| | AppFirewall | X | X | X | X | X | X | X |
| | AppQoS | X | X | X | X | X | X | X |
| | AppID (application awareness) | X | X | X | X | X | X | X |
| | User firewall: On-box | X | X | X | X | X | X | X |
| | User firewall: Integrated w/Juniper's Unified Access Control (UAC) | X | X | X | X | X | X | X |
| | SSL Forward Proxy | X | X | X | X | X | X | X |
| | SSL Reverse Proxy | X | X | X | X | X | X | X |
| UTM ¹ | Antivirus | X | X | X | X | X | X | X |
| | Antispam | X | X | X | X | X | X | X |
| | Web filtering | X | X | X | X | X | X | X |
| | Content filtering | X | X | X | X | X | X | X |
| Networking | 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 | OSPF, BGP, RIPv1/v2, Multicast |
| | Multiple WAN, WLAN, LAN options | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Availability | High Availability (A/P, A/A) ¹ | X | X | X | X | X | X | X |
| | Separate control and data planes | X | X | X | X | X | X | X |
| | In-service software & hardware upgrade | X | X | X | X | X | X | N/A |
| NAT | NAT | X | X | X | X | X | X | X |
| Management | Centralized management | X | 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

SRX550M Services Gateway datasheet:

www.juniper.net/assets/us/en/local/pdf/datasheets/1000669-en.pdf

SRX1500 Services Gateway datasheet:

www.juniper.net/assets/us/en/local/pdf/datasheets/1000551-en.pdf

SRX4000 Line of Services Gateways datasheet:

www.juniper.net/assets/us/en/local/pdf/datasheets/1000600-en.pdf

SRX4600 Services Gateway datasheet:

<https://www.juniper.net/assets/us/en/local/pdf/datasheets/1000628-en.pdf>

SRX5000 Line of Services Gateways datasheet:

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

Juniper Networks Service and Support

Juniper Networks is the leader in performance-enabling services that are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to maximize operational efficiency while reducing costs and minimizing risk, achieving a faster time to value for your network. Juniper Networks ensures operational excellence by optimizing the network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services.

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