

SRX300 LINE OF SERVICES GATEWAYS FOR THE BRANCH DATASHEET

Product Overview

The SRX300 line of services gateways combines security, SD-WAN, routing, switching, and WAN interfaces with next-generation firewall and advanced threat mitigation capabilities for cost-effective, secure connectivity across distributed enterprise locations. By consolidating fast, highly available switching, routing, security, and next-generation firewall capabilities in a single device, enterprises can remove network complexity, protect and prioritize their resources, and improve user and application experience while lowering total cost of ownership (TCO).

Product Description

Juniper Networks® SRX300 line of services gateways delivers a next-generation secure SD-WAN and security solution that supports the changing needs of cloud-enabled enterprise networks. Whether rolling out new services and applications across locations, connecting to the cloud, or trying to achieve operational efficiency, the SRX300 line helps organizations realize their business objectives while providing scalable, easy to manage, secure connectivity and advanced threat mitigation capabilities. Next-generation firewall and unified threat management (UTM) capabilities also make it easier to detect and proactively mitigate threats to improve the user and application experience.

The SRX300 line consists of five models:

- **SRX300:** Securing small branch or retail offices, the SRX300 Services Gateway consolidates security, routing, switching, and WAN connectivity in a small desktop device. The SRX300 supports up to 1.9 Gbps firewall and 336 Mbps IPsec VPN in a single, cost-effective networking and security platform.
- **SRX320:** Securely connecting small distributed enterprise branch offices, the SRX320 Services Gateway consolidates security, routing, switching, and WAN connectivity in a small desktop device. The SRX320 supports up to 1.9 Gbps firewall and 336 Mbps IPsec VPN in a single, consolidated, cost-effective networking and security platform.
- **SRX340:** Securely connecting midsize distributed enterprise branch offices, the SRX340 Services Gateway consolidates security, routing, switching, and WAN connectivity in a 1 U form factor. The SRX340 supports up to 4.7 Gbps firewall and 733 Mbps IPsec VPN in a single, cost-effective networking and security platform.
- **SRX345:** Best suited for midsize to large distributed enterprise branch offices, the SRX345 Services Gateway consolidates security, routing, switching, and WAN connectivity in a 1 U form factor. The SRX345 supports up to 5 Gbps firewall and 977 Mbps IPsec VPN in a single, consolidated, cost-effective networking and security platform.
- **SRX380:** A high-performance and secure SD-WAN gateway, the SRX380 offers superior and reliable WAN connectivity while consolidating security, routing, and switching for distributed enterprise offices. The SRX380 features greater port density than other SRX300 models, with 16x1GbE PoE+ and 4x10GbE ports, and includes redundant dual power supplies, all in a 1 U form factor. The SRX380 supports up to 20Gbps firewall and 4.4 Gbps IPsec VPN in a single, consolidated, cost-effective networking and security platform.

SRX300 Highlights

The SRX300 line of services gateways consists of secure SD-WAN routers that bring high performance and proven deployment capabilities to enterprises that need to build a worldwide network of thousands of remote sites. WAN or Internet connectivity and Wi-Fi module options include:

- Ethernet, T1/E1, ADSL2/2+, and VDSL
- 3G/4G LTE wireless
- 802.11ac Wave 2 Wi-Fi

Mist AI

WAN Assurance

Mist WAN Assurance is a cloud service that brings AI-powered automation and service levels to Juniper SRX Series Services Gateways, complementing the Juniper Secure SD-WAN solution. Mist WAN Assurance transforms IT operations from reactive troubleshooting to proactive remediation, turning insights into actions and delivering operational simplicity with seamless integration into existing deployments.

- SRX Series firewalls, deployed as secure SD-WAN edge devices, deliver the rich Junos streaming telemetry that provides the insights needed for WAN health metrics and anomaly detection. This data is leveraged within the Mist Cloud and AI engine, driving simpler operations, reducing mean time to repair (MTTR) and providing greater visibility into end-user experiences.
- Insights derived from SRX Series SD-WAN gateway telemetry data allows WAN Assurance to compute unique “User Minutes” that indicate whether users are having a good experience.
- The Marvis assistant for WAN allows you to ask direct questions like “Why is my Zoom call bad?” and provides complete insights, correlation, and actions.
- Marvis Actions identifies and summarizes issues such as application latency conditions, congested WAN circuits, or negotiation mismatches.

Simplifying Branch Deployments (Secure Connectivity/SD-WAN)

The SRX300 line delivers fully automated SD-WAN to both enterprises and service providers.

- A Zero-Touch Provisioning (ZTP) feature simplifies branch network connectivity for initial deployment and ongoing management.
- SRX300 firewalls offer best-in-class secure connectivity.
- The SRX300 firewalls efficiently utilize multiple links and load balance traffic across the enterprise WAN, blending traditional MPLS with other connectivity options such as broadband internet, leased lines, 4G/LTE, and more.
- Policy- and application-based forwarding capabilities enforce business rules created by the enterprise to steer application traffic towards a preferred path.

Comprehensive Security Suite

The SRX300 line offers a comprehensive suite of application security services, threat defenses, and intelligence services. The services consist of intrusion prevention system (IPS), application security user role-based firewall controls and cloud-based antivirus, anti-spam, and enhanced Web filtering, protecting networks from the latest content-borne threats. Integrated threat intelligence via Juniper Networks SecIntel offers adaptive threat protection against Command and Control (C&C)-related botnets and policy enforcement based on GeolIP. Customers can also leverage their own custom and third-party feeds for protection from advanced malware and other threats. Integrating the Juniper Networks Advanced Threat Protection solution, the SRX300 line detects and enforces automated protection against known malware and zero-day threats with a very high degree of accuracy.

Industry-Certified Junos Operating System

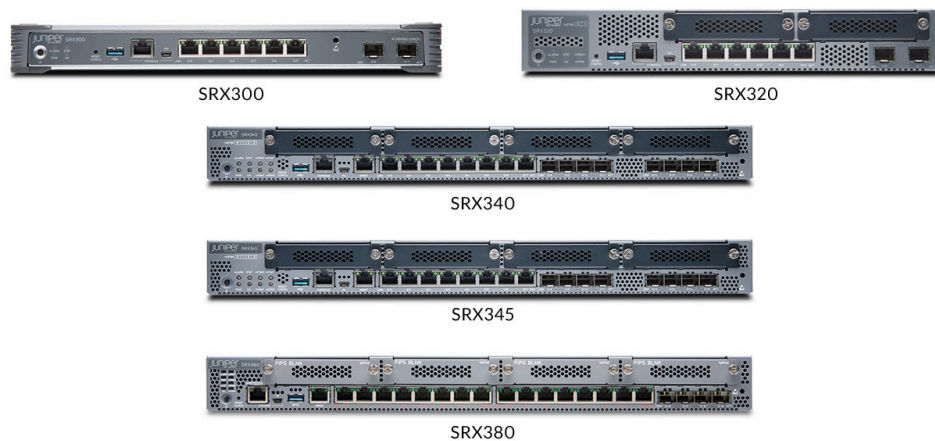
SRX300 Services Gateways run the Junos operating system, a proven, carrier-hardened OS that powers the top 100 service provider networks in the world.

The rigorously tested, carrier-class, rich routing features such as IPv4/IPv6, OSPF, BGP, and multicast have been proven over 15 years of worldwide deployments.

The SRX300 line also enables agile SecOps through automation capabilities that support Zero Touch Deployment, Python scripts for orchestration, and event scripting for operational management.

Features and Benefits

| Business Requirement | Feature/Solution | SRX300 Advantages |
|--------------------------|--|---|
| High performance | Up to 20 Gbps of routing and firewall performance | <ul style="list-style-type: none"> Best suited for small, medium and large branch office deployments Addresses future needs for scale and feature capacity |
| Business continuity | Stateful high availability (HA), IP monitoring | <ul style="list-style-type: none"> Uses stateful HA to synchronize configuration and firewall sessions Supports multiple WAN interface with dial-on-demand backup Route/link failover based on real-time link performance |
| SD-WAN | Better end-user application and cloud experience and lower operational costs | <ul style="list-style-type: none"> ZTP simplifies remote device provisioning Advanced Policy-Based Routing (APBR) orchestrates business intent policies across the enterprise WAN Application quality of experience (AppQoE) measures application SLAs and improves end-user experience Controls and prioritizes traffic based on application and user role |
| End-user experience | WAN assurance | <ul style="list-style-type: none"> Complements the Juniper Secure SD-WAN solution with AI-powered automation and service levels Provides visibility and insights into users, applications, WAN links, control and data plane, and CPU for proactive remediation |
| Highly secure | IPsec VPN, Remote Access/SSL VPN, Media Access Control Security (MACsec) | <ul style="list-style-type: none"> Creates secure, reliable, and fast overlay link over public internet Employs anti-counterfeit features to protect from unauthorized hardware spares Includes high-performance CPU with built-in hardware to assist IPsec acceleration Provides TPM-based protection of device secrets such as passwords and certificates Offers secure and flexible remote access SSL VPN with Juniper Secure Connect |
| Threat protection | IPS, antivirus, anti-spam, enhanced web filtering, Juniper Advanced Threat Prevention Cloud, Encrypted Traffic Insights, and Threat Intelligence Feeds | <ul style="list-style-type: none"> Provides real-time updates to IPS signatures and protects against exploits Protects from zero-day attacks Implements industry-leading antivirus and URL filtering Integrates open threat intelligence platform with third-party feeds Restores visibility that was lost due to encryption without the heavy burden of full TLS/SSL decryption |
| Application visibility | On-box GUI, Security Director | <ul style="list-style-type: none"> Detects 4,275 Layer 3-7 applications, including Web 2.0 Inspects and detects applications inside the SSL encrypted traffic |
| Easy to manage and scale | On-box GUI, Security Director | <ul style="list-style-type: none"> Includes centralized management for auto-provisioning, firewall policy management, Network Address Translation (NAT), and IPsec VPN deployments, or simple, easy-to-use on-box GUI for local management |
| Minimize TCO | Junos OS | <ul style="list-style-type: none"> Integrates routing, switching, and security in a single device Reduces operation expense with Junos automation capabilities |



SRX300 Specifications

Software Specifications

Routing Protocols

- IPv4, IPv6, ISO, Connectionless Network Service (CLNS)
- Static routes
- RIP v1/v2
- OSPF/OSPF v3
- BGP with Route Reflector
- IS-IS
- Multicast: Internet Group Management Protocol (IGMP) v1/v2, Protocol Independent Multicast (PIM) sparse mode (SM)/dense mode (DM)/source-specific multicast (SSM), Session Description Protocol (SDP), Distance Vector Multicast Routing Protocol (DVMRP), Multicast Source Discovery Protocol (MSDP), Reverse Path Forwarding (RPF)
- Encapsulation: VLAN, Point-to-Point Protocol (PPP), Frame Relay, High-Level Data Link Control (HDLC), serial, Multilink Point-to-Point Protocol (MLPPP), Multilink Frame Relay (MLFR), and Point-to-Point Protocol over Ethernet (PPPoE)
- Virtual routers
- Policy-based routing, source-based routing
- Equal-cost multipath (ECMP)

QoS Features

- Support for 802.1p, DiffServ code point (DSCP), EXP
- Classification based on VLAN, data-link connection identifier (DLCI), interface, bundles, or multifield filters
- Marking, policing, and shaping
- Classification and scheduling
- Weighted random early detection (WRED)
- Guaranteed and maximum bandwidth
- Ingress traffic policing
- Virtual channels
- Hierarchical shaping and policing

Switching Features

- ASIC-based Layer 2 Forwarding
- MAC address learning
- VLAN addressing and integrated routing and bridging (IRB) support
- Link aggregation and LACP
- LLDP and LLDP-MED
- STP, RSTP, MSTP
- MVRP
- 802.1X authentication

Firewall Services

- Stateful and stateless firewall
- Zone-based firewall
- Screens and distributed denial of service (DDoS) protection
- Protection from protocol and traffic anomaly
- Integration with Pulse Unified Access Control (UAC)
- Integration with Aruba Clear Pass Policy Manager
- User role-based firewall
- SSL Inspection (Forward-proxy)

Network Address Translation (NAT)

- Source NAT with Port Address Translation (PAT)
- Bidirectional 1:1 static NAT
- Destination NAT with PAT
- Persistent NAT
- IPv6 address translation

VPN Features

- Tunnels: Site-to-Site, Hub and Spoke, Dynamic Endpoint, AutoVPN, ADVPN, Group VPN (IPv4/ IPv6/ Dual Stack)
- Juniper Secure Connect: Remote access / SSL VPN
- Configuration payload: Yes
- IKE Encryption algorithms: Prime, DES-CBC, 3DES-CBC, AEC-CBC, AES-GCM, SuiteB
- IKE authentication algorithms: MD5, SHA-1, SHA-128, SHA-256, SHA-384
- Authentication: Pre-shared key and public key infrastructure (PKI) (X.509)
- IPsec (Internet Protocol Security): Authentication Header (AH) / Encapsulating Security Payload (ESP) protocol
- IPsec Authentication Algorithms: hmac-md5, hmac-sha-196, hmac-sha-256
- IPsec Encryption Algorithms: Prime, DES-CBC, 3DES-CBC, AEC-CBC, AES-GCM, SuiteB
- Perfect forward secrecy, anti-reply
- Internet Key Exchange: IKEv1, IKEv2
- Monitoring: Standard-based dead peer detection (DPD) support, VPN monitoring
- VPNs GRE, IP-in-IP, and MPLS

Network Services

- Dynamic Host Configuration Protocol (DHCP) client/server/relay
- Domain Name System (DNS) proxy, dynamic DNS (DDNS)
- Juniper real-time performance monitoring (RPM) and IP-monitoring
- Juniper flow monitoring (J-Flow)¹
- Bidirectional Forwarding Detection (BFD)
- Two-Way Active Measurement Protocol (TWAMP)
- IEEE 802.3ah Link Fault Management (LFM)
- IEEE 802.1ag Connectivity Fault Management (CFM)

High Availability Features

- Virtual Router Redundancy Protocol (VRRP)
- Stateful high availability
- Dual box clustering
- Active/passive
- Active/active
- Configuration synchronization
- Firewall session synchronization
- Device/link detection
- In-Band Cluster Upgrade (ICU)
- Dial on-demand backup interfaces
- IP monitoring with route and interface failover

Management, Automation, Logging, and Reporting

- SSH, Telnet, SNMP
- Smart image download
- Juniper CLI and Web UI
- Mist AI
 - Simplified management
 - WAN Assurance
- Junos Space and Security Director
- Python
- Junos OS event, commit, and OP script
- Application and bandwidth usage reporting
- Auto installation
- Debug and troubleshooting tools
- Zero-Touch Provisioning with Contrail Service Orchestration

Advanced Routing Services

- Packet mode
- MPLS (RSVP, LDP)
- Circuit cross-connect (CCC), translational cross-connect (TCC)
- L2/L3 MPLS VPN, pseudowires
- Virtual private LAN service (VPLS), next-generation multicast VPN (NG-MVPN)
- MPLS traffic engineering and MPLS fast reroute

Application Security Services¹

- Application visibility and control
- Application-based firewall
- Application QoS
- Application-based advanced policy-based routing
- Application quality of experience (AppQoE)

Enhanced SD-WAN Services

- Application-based advanced policy-based routing (APBR)
- Application-based link monitoring and switchover with Application quality of experience (AppQoE)

Threat Defense and Intelligence Services¹

- Intrusion prevention
- Antivirus
- Antispam
- Category/reputation-based URL filtering
- Protection from botnets (command and control)
- Adaptive enforcement based on GeoIP
- Juniper Advanced Threat Prevention to detect and block zero-day attacks
- Adaptive Threat Profiling
- Encrypted Traffic Insights
- SecIntel to provide threat intelligence

¹Offered as advanced security services subscription licenses.

Hardware Specifications

| Specification | SRX300 | SRX320 | SRX340 | SRX345 | SRX380 |
|---|--|--|---|--|--|
| Connectivity | | | | | |
| Total onboard ports | 8x1GbE | 8x1GbE | 16x1GbE | 16x1GbE | 20 (16x1GbE, 4x10GbE) |
| Onboard RJ-45 ports | 6x1GbE | 6x1GbE | 8x1GbE | 8x1GbE | 16x1GbE |
| Onboard small form-factor pluggable (SFP) transceiver ports | 2x1GbE | 2x1GbE | 8x1GbE | 8x1GbE | 4x10GbE SFP+ |
| MACsec-capable ports | 2x1GbE | 2x1GbE | 16x1GbE | 16x1GbE | 16x1GbE 4x10GbE |
| Out-of-band (OOB) management ports | 0 | 0 | 1x1GbE | 1x1GbE | 1x1GbE |
| Mini PIM (WAN) slots | 0 | 2 | 4 | 4 | 4 |
| Console (RJ-45 + miniUSB) | 1 | 1 | 1 | 1 | 1 |
| USB 3.0 ports (type A) | 1 | 1 | 1 | 1 | 1 |
| PoE+ ports | N/A | 6 ² | 0 | 0 | 16 |
| Memory and Storage | | | | | |
| System memory (RAM) | 4 GB | 4 GB | 4 GB | 4 GB | 4GB |
| Storage | 8 GB | 8 GB | 8 GB | 8 GB | 100GB SSD |
| SSD slots | 0 | 0 | 1 | 1 | 1 |
| Dimensions and Power | | | | | |
| Form factor | Desktop | Desktop | 1 U | 1 U | 1U |
| Size (WxHxD) | 12.63 x 1.37 x 7.52 in. (32.08 x 3.47 x 19.10 cm) | 11.81 x 1.73 x 7.52 in. (29.99 x 4.39 x 19.10 cm) | 17.36 x 1.72 x 14.57 in. (44.09 x 4.36 x 37.01 cm) | 17.36 x 1.72 x 14.57 in. (44.09 x 4.36 x 37.01 cm) / 17.36 x 1.72 x 18.7 in. (44.09 x 4.36 x 47.5 cm) ³ | 17.36 x 1.72 x 18.7 in. (44.09 x 4.37 x 47.5 cm) / 17.36 x 1.72 x 20.47 in. (44.09 x 4.37 x 52 cm) |
| Weight (device and PSU) | 4.38 lb (1.98 kg) | 3.28 lb (1.51 kg) ⁴ / 3.4 lb (1.55 kg) ⁵ | 10.80 lb (4.90 kg) | 10.80 lb (4.90 kg) / 11.02 lb (5 kg) ⁵ | 15 lb (6.8 kg) with 1xPSU / 16.76 lb (7.6 kg) with 2xPSU |
| Redundant PSU | No | No | No | Yes | Yes |
| Power supply | AC (external) | AC (external) | AC (internal) | AC (internal) / DC (internal) ⁶ | 1+1 hot-swappable AC PSU |
| Rated DC voltage range | N/A | N/A | N/A | -48 to -60 VDC (with -15% and +20% tolerance) | NA |
| Rated DC operating voltage range | N/A | N/A | N/A | -40.8 VDC to -72 VDC ⁶ | N/A |
| Maximum PoE power | N/A | 180 W ⁵ | N/A | N/A | 480W |
| Average power consumption | 24.9 W | 46 W ⁴ /221 W ⁵ | 122 W | 122 W | 150 W (without PoE) 510 W (with PoE) |
| Average heat dissipation | 85 BTU/h | 157 BTU/h ⁴ /755 BTU/h ⁵ | 420 BTU/h | 420 BTU/h | 511.5 BTU/hr (without PoE) |
| Maximum current consumption | 0.346 A | 0.634 A ⁴ /2.755 A ⁵ | 1.496 A | 1.496 A / 6A @ -48 VDC ⁶ | 1.79A/7.32A |
| Acoustic noise level | 0dB (fanless) | 37 dBA ⁴ /40 dBA ⁵ | 45.5 dBA | 45.5 dBA | < 50dBA @ room temperature 27C |
| Airflow/cooling | Fanless | Front to back | Front to back | Front to back | Front to back |
| Environmental, Compliance, and Safety Certification | | | | | |
| Operational temperature | -4° to 140° F (-20° to 60° C) ⁷ | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) -22° to 131° F (-30° to 55° C) for SRX345-DC | 32° to 104° F (0° to 40° C) with MPIMs 32° to 122° F (0° to 50° C) without MPIMs |
| Nonoperational temperature | -4° to 158° F (-20° to 70° C) | -4° to 158° F (-20° to 70° C) | -4° to 158° F (-20° to 70° C) | -4° to 158° F (-20° to 70° C) -22° to 158° F (-30° to 70° C) for SRX345-DC | -4° to 158° F (-20° to 70° C) |
| Operating humidity | 10% to 90% noncondensing | 10% to 90% noncondensing | 10% to 90% noncondensing | 10% to 90% noncondensing | 10% to 90% noncondensing |
| Nonoperating humidity | 5% to 95% noncondensing | 5% to 95% noncondensing | 5% to 95% noncondensing | 5% to 95% noncondensing | 5% to 95% noncondensing |
| Mean time between failures (MTBF) | 44.5 years | 32.5 years ⁴ / 26 years ⁵ | 27 years | 27.4 years | 28.1 years |
| FCC classification | Class A | Class A | Class A | Class A | Class A |
| RoHS compliance | RoHS 2 | RoHS 2 | RoHS 2 | RoHS 2 | RoHS 2 |

| Specification | SRX300 | SRX320 | SRX340 | SRX345 | SRX380 |
|-------------------------------|---|---|---|---|--------|
| FIPS 140-2 | Level 2 (Junos 15.1X49-D60) | Level 1 (Junos 15.1X49-D60) | Level 2 (Junos 15.1X49-D60) | Level 2 (Junos 15.1X49-D60) | N/A |
| Common Criteria certification | NDPP, VPNEP, FWEP, IPSEP (based on Junos 15.1X49-D60) | NDPP, VPNEP, FWEP, IPSEP (based on Junos 15.1X49-D60) | NDPP, VPNEP, FWEP, IPSEP (based on Junos 15.1X49-D60) | NDPP, VPNEP, FWEP, IPSEP (based on Junos 15.1X49-D60) | N/A |

*SRX320 with PoE+ ports available as a separate SKU: SRX320-POE.

*SRX345 with dual AC PSU model.

*SRX320 non PoE model.

*SRX320-POE with 6 ports PoE+ model.

*SRX345 with DC power supply (operating temperature as per GR-63 Issue 4 2012 test criteria).

*As per GR63 Issue 4 (2012) test criteria.

Performance and Scale

| Parameter | SRX300 | SRX320 | SRX340 | SRX345 | SRX380 |
|---|-----------------|-----------------|---------------------------------|---------------------------------|---------------------------------|
| Routing with packet mode (64 B packet size) in Kpps ⁸ | 300 | 300 | 550 | 750 | 1700 |
| Routing with packet mode (IMIX packet size) in Mbps ⁸ | 800 | 800 | 1,600 | 2,300 | 5000 |
| Routing with packet mode (1,518 B packet size) in Mbps ⁸ | 1,500 | 1,500 | 3,000 | 5,500 | 10,000 |
| Stateful firewall (64 B packet size) in Kpps ⁸ | 200 | 200 | 350 | 550 | 1700 |
| Stateful firewall (IMIX packet size) in Mbps ⁸ | 600 | 600 | 1,100 | 1,500 | 6,500 |
| Stateful firewall (1,518 B packet size) in Mbps ⁸ | 1,900 | 1,900 | 4,700 | 5,000 | 20,000 |
| IPsec VPN (IMIX packet size) in Mbps ⁸ | 116 | 116 | 239 | 325 | 1400 |
| IPsec VPN (1,400 B packet size) in Mbps ⁸ | 336 | 336 | 733 | 977 | 4,400 |
| Application visibility and control in Mbps ⁷ | 500 | 500 | 1,000 | 1,700 | 6,000 |
| Recommended IPS in Mbps ⁷ | 200 | 200 | 400 | 600 | 2,000 |
| Next-generation firewall in Mbps ¹¹ | 226 | 226 | 420 | 430 | 2,500 |
| Secure Web Access firewall in Mbps ¹² | 171 | 171 | 280 | 295 | 1,800 |
| Route table size (RIB/FIB) (IPv4 or IPv6) | 256,000/256,000 | 256,000/256,000 | 1 million/600,000 ¹⁰ | 1 million/600,000 ¹⁰ | 1 million/600,000 ¹⁰ |
| Maximum concurrent sessions (IPv4 or IPv6) | 64,000 | 64,000 | 256,000 | 375,000 | 380,000 |
| Maximum security policies | 1,000 | 1,000 | 2,000 | 4,000 | 4,000 |
| Connections per second | 5,000 | 5,000 | 10,000 | 15,000 | 50,000 |
| NAT rules | 1,000 | 1,000 | 2,000 | 2,000 | 3,000 |
| MAC table size | 15,000 | 15,000 | 15,000 | 15,000 | 16,000 |
| IPsec VPN tunnels | 256 | 256 | 1,024 | 2,048 | 2,048 |
| Number of remote access/SSL VPN (concurrent) users | 25 | 50 | 150 | 250 | 500 |
| GRE tunnels | 256 | 256 | 512 | 1,024 | 2,048 |
| Maximum number of security zones | 16 | 16 | 64 | 64 | 128 |
| Maximum number of virtual routers | 32 | 32 | 64 | 128 | 128 |
| Maximum number of VLANs | 1,000 | 1,000 | 2,000 | 3,000 | 3,000 |
| AppID sessions | 16,000 | 16,000 | 64,000 | 64,000 | 64,000 |
| IPS sessions | 16,000 | 16,000 | 64,000 | 64,000 | 64,000 |
| URLF sessions | 16,000 | 16,000 | 64,000 | 64,000 | 64,000 |

⁸Throughput numbers based on UDP packets and RFC2544 test methodology.

⁷Throughput numbers based on HTTP traffic with 44 KB transaction size.

¹⁰Route scaling numbers are with enhanced route-scale features turned on.

¹¹Next-Generation firewall performance is measured with Firewall, Application Security and IPS enabled using 64KB transactions

¹²Secure Web Access firewall performance is measured with Firewall, Application Security, IPS, SecIntel, and URL Filtering enabled using 64KB transactions

WAN and Wi-Fi Interface Support Matrix

| WAN and Wi-Fi Interface | SRX300 | SRX320 | SRX340 | SRX345 | SRX380 |
|---|--------|--------|--------|--------|--------|
| 1 port T1/E1 MPIM (SRX-MP-1T1E1-R) | No | Yes | Yes | Yes | Yes |
| 1 port VDSL2 Annex A/M MPIM (SRX-MP-1VDLSL2-R) | No | Yes | Yes | Yes | Yes |
| 4G / LTE MPIM (SRX-MP-LTE-AA and SRX-MP-LTE-AE) | No | Yes | Yes | Yes | Yes |
| 802.11ac Wave 2 Wi-Fi MPIM | No | Yes | Yes | Yes | Yes |

WAN and Wi-Fi Interface Module Performance Data

| Interface Module | Description | Performance |
|------------------|---|---|
| 4G/LTE | Dual SIM 4G/LTE-A CAT 6 | Up to 300 Mbps download and 50 Mbps upload |
| Wi-Fi MPIM | Dual band 802.11 a/b/g/n/ac Wave 2 (2x2 MIMO) | Up to 866 Mbps at 5GHz / 300 Mbps at 2.4GHz |

Juniper Networks Services 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 <https://www.juniper.net/us/en/products.html>.

Ordering Information

To order Juniper Networks SRX Series Services Gateways, and to access software licensing information, please visit the How to Buy page at <https://www.juniper.net/us/en/how-to-buy/form.html>

| | SRXnnn-SYS-JB |
|--|---------------|
| Hardware | Included |
| Management (CLI, JWEB, SNMP, Telnet, SSH) | Included |
| Ethernet switching (L2 Forwarding, IRB, LACP etc) | Included |
| L2 Transparent, Secure Wire | Included |
| Routing (RIP, OSPF, BGP, Virtual router) | Included |
| Multicast (IGMP, PIM, SSDP, DMVRP) | Included |
| Packet Mode | Included |
| Overlay (GRE, IP-IP) | Included |
| Network Services (J-Flow, DHCP, QOS, BFD) | Included |
| Stateful Firewall, Screens, ALGs | Included |
| NAT (static, SNAT, DNAT) | Included |
| IPSec VPN (Site-to-Site VPN, Auto VPN, Group VPN) | Included |
| Firewall policy enforcement (UAC, Aruba CPPM) | Included |
| Remote Access/SSL VPN (concurrent users) ¹¹ | Optional |
| Chassis Cluster, VRRP, ISSU/ICU | Included |
| Automation (Junos scripting, auto-installation) | Included |
| MPLS, LDP, RSVP, L3 VPN, pseudo-wires, VPLS | Included |

¹¹ Based on concurrent users; two free licenses included

Base System Model Numbers

| Product Number | Description |
|--------------------|--|
| SRX300-SYS-JB | SRX300 Services Gateway includes hardware (8GbE, 4G RAM, 8G Flash, power adapter and cable) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching). RMK not included. |
| SRX320-SYS-JB | SRX320 Services Gateway includes hardware (8GbE, 2x MPIM slots, 4G RAM, 8G Flash, power adapter and cable) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching). RMK not included. |
| SRX320-SYS-JB-P | SRX320 Services Gateway includes hardware (8GbE, 6-port POE+, 2x MPIM slots, 4G RAM, 8G Flash, power adapter and cable) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching). RMK not included. |
| SRX340-SYS-JB | SRX340 Services Gateway includes hardware (16GbE, 4x MPIM slots, 4G RAM, 8G Flash, power supply, cable and RMK) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching) |
| SRX345-SYS-JB | SRX345 Services Gateway includes hardware (16GbE, 4x MPIM slots, 4G RAM, 8G Flash, power supply, cable and RMK) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching) |
| SRX345-SYS-JB-2AC | SRX345 Services Gateway includes hardware (16GbE, 4x MPIM slots, 4G RAM, 8G Flash, dual AC power supply, cable and RMK) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching) |
| SRX345-SYS-JB-DC | SRX345 Services Gateway includes hardware (16GbE, 4x MPIM slots, 4G RAM, 8G Flash, single DC power supply, cable and RMK) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching) |
| SRX380-P-SYS-JB-AC | SRX380 Services Gateway includes hardware (16GbE PoE+, 4x10GbE, 4x MPIM slots, 4GB RAM, 100GB SSD, single AC power supply, cable and RMK) and Junos Software Base (firewall, NAT, IPSec, routing, MPLS and switching) |

Software Licenses

| Product Number | Description |
|-----------------------------|--|
| S-SRXnnn-A1-1 | SRXnnn Advanced 1 - JSE/SD-WAN, includes SD-WAN features App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack) and IPS; 1-year subscription (example: S-SRX380-A1-1) |
| S-SRXnnn-A1-3 | SRXnnn Advanced 1 - JSE/SD-WAN, includes SD-WAN features App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack) and IPS; 3-year subscription (example: S-SRX380-A1-3) |
| S-SRXnnn-A1-5 | SRXnnn Advanced 1 - JSE/SD-WAN, includes SD-WAN features App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack) and IPS; 5-year subscription (example: S-SRX380-A1-5) |
| S-SRXnnn-P1-1 | SRXnnn Premium 1, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS and Juniper ATP; 1-year subscription (example: S-SRX380-P1-1) |
| S-SRXnnn-P1-3 | SRXnnn Premium 1, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS and Juniper ATP; 3-year subscription (example: S-SRX380-P1-3) |
| S-SRXnnn-P1-5 | SRXnnn Premium 1, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS and Juniper ATP; 5-year subscription (example: S-SRX380-P1-5) |
| S-SRXnnn-A2-1 | SRXnnn Advanced 2, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS and Content Security (UTM, Cloud AV, URLF and AS); 1-year subscription (example: S-SRX380-A2-1) |
| S-SRXnnn-A2-3 | SRXnnn Advanced 2, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS and Content Security (UTM, Cloud AV, URLF and AS); 3-year subscription (example: S-SRX380-A2-3) |
| S-SRXnnn-A2-5 | SRXnnn Advanced 2, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS and Content Security (UTM, Cloud AV, URLF and AS); 5-year subscription (example: S-SRX380-A2-5) |
| S-SRXnnn-P2-1 ¹² | SRXnnn Premium 2, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS, Content Security (UTM, Cloud AV, URLF and AS) and Juniper Sky ATP; 1-year subscription (example: S-SRX380-P2-1) |
| S-SRXnnn-P2-3 ¹² | SRXnnn Premium 2, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS, Content Security (UTM, Cloud AV, URLF and AS) and Juniper Sky ATP; 3-year subscription (example: S-SRX380-P2-3) |
| S-SRXnnn-P2-5 ¹² | SRXnnn Premium 2, includes App+ (AppID, AppFW, AppQoS, AppRoute, AppQoE, AppTrack), IPS, Content Security (UTM, Cloud AV, URLF and AS) and Juniper Sky ATP; 5-year subscription (example: S-SRX380-P2-5) |

¹²The S-SRXnnn-P2-1/3/5 year SKUs are only available for the SRX340, SRX345, and SRX380 models.

Remote Access/Juniper Secure Connect VPN Licenses

| Product Number | Description |
|------------------|--|
| S-RA3-SRX300-S-1 | SW, Remote Access VPN - Juniper, 25 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-SRX320-S-1 | SW, Remote Access VPN - Juniper, 50 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-SRX340-S-1 | SW, Remote Access VPN - Juniper, 150 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-SRX345-S-1 | SW, Remote Access VPN - Juniper, 250 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-SRX380-S-1 | SW, Remote Access VPN - Juniper, 500 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-5CCU-S-1 | SW, Remote Access VPN - Juniper, 5 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-25CCU-S-1 | SW, Remote Access VPN - Juniper, 25 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-50CCU-S-1 | SW, Remote Access VPN - Juniper, 50 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-100CCU-S-1 | SW, Remote Access VPN - Juniper, 100 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-250CCU-S-1 | SW, Remote Access VPN - Juniper, 250 Concurrent Users, Standard, with SW support, 1 Year |

| Product Number | Description |
|------------------|--|
| S-RA3-500CCU-S-1 | SW, Remote Access VPN - Juniper, 500 Concurrent Users, Standard, with SW support, 1 Year |
| S-RA3-SRX300-S-3 | SW, Remote Access VPN - Juniper, 25 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-SRX320-S-3 | SW, Remote Access VPN - Juniper, 50 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-SRX340-S-3 | SW, Remote Access VPN - Juniper, 150 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-SRX345-S-3 | SW, Remote Access VPN - Juniper, 250 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-SRX380-S-3 | SW, Remote Access VPN - Juniper, 500 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-5CCU-S-3 | SW, Remote Access VPN - Juniper, 5 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-25CCU-S-3 | SW, Remote Access VPN - Juniper, 25 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-50CCU-S-3 | SW, Remote Access VPN - Juniper, 50 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-100CCU-S-3 | SW, Remote Access VPN - Juniper, 100 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-250CCU-S-3 | SW, Remote Access VPN - Juniper, 250 Concurrent Users, Standard, with SW support, 3 Year |
| S-RA3-500CCU-S-3 | SW, Remote Access VPN - Juniper, 500 Concurrent Users, Standard, with SW support, 3 Year |

Interface Modules

| Product Number | Description |
|-----------------|---|
| SRX-MP-1T1E1-R | 1 port T1E1, MPIM form factor supported on SRX320, SRX340, SRX345, SRX380, and SRX550M. ROHS compliant |
| SRX-MP-1VDSL2-R | 1 port VDSL2 (backward compatible with ADSL / ADSL2+), MPIM form factor supported on SRX320, SRX340, SRX345, SRX380, and SRX550M. ROHS compliant |
| SRX-MP-LTE-AA | 4G / LTE MPIM support 1, 3, 5, 7-8, 18-19, 21, 28, 38-41 LTE bands (for Asia and Australia). Supported on SRX320, SRX340, SRX345, SRX380, and SRX550M |
| SRX-MP-LTE-AE | 4G / LTE MPIM support 1-5, 7-8, 12-13, 30, 25-26, 29-30, 41 LTE bands (for Americas and EMEA). Supported on SRX320, SRX340, SRX345, SRX380, and SRX550M |
| SRX-MP-WLAN-US | Wireless access point (Wi-Fi) MPIM for SRX320, SRX34x, SRX380, and SRX550M. Supported for U.S. regulatory bands only. |
| SRX-MP-WLAN-WW | Wireless access point (Wi-Fi) MPIM for SRX320, SRX34x, SRX380, and SRX550M. Supported for worldwide regulatory bands (excluding U.S. and Israel). |
| SRX-MP-WLAN-IL | Wireless access point (Wi-Fi) MPIM for SRX320, SRX34x, SRX380, and SRX550M. Supported for Israel regulatory bands only. |
| SRX-MP-ANT-EXT | Antenna extension cable for WLAN MPIM on SRX Series platforms |

Accessories

| Product Number | Description |
|------------------|--|
| SRX300-RMK0 | SRX300 rack mount kit with adaptor tray |
| SRX300-RMK1 | SRX300 rack mount kit without adaptor tray |
| SRX300-WALL-KITO | SRX300 wall mount kit with brackets |
| SRX320-P-RMK0 | SRX320-POE rack mount kit with adaptor tray |
| SRX320-P-RMK1 | SRX300-POE rack mount kit without adaptor tray |
| SRX320-RMK0 | SRX320 rack mount kit with adaptor tray |
| SRX320-RMK1 | SRX320 rack mount kit without adaptor tray |
| SRX320-WALL-KITO | SRX320 wall mount kit with brackets |
| SRX34X-RMK | SRX340 and SRX345 rack mount kit |
| EX-4PST-RMK | SRX380 rack mount kit |
| JSU-SSD-MLC-100 | Juniper Storage Unit, SSD, MLC, 100GB |
| JPSU-600-AC-AFO | SRX380 600W AC PSU, front-to-back |

About Juniper Networks

At Juniper Networks, we are dedicated to dramatically simplifying network operations and driving superior experiences for end users. Our solutions deliver industry-leading insight, automation, security and AI to drive real business results. We believe that powering connections will bring us closer together while empowering us all to solve the world's greatest challenges of well-being, sustainability and equality.

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