



# SRX300 LINE OF SERVICES GATEWAYS FOR THE BRANCH

## Product Overview

*The SRX300 line of services gateways combines security, 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 networking 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 four 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 Gbps firewall and 300 Mbps IPsec VPN in a single, consolidated, 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 Gbps firewall and 300 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 3 Gbps firewall and 600 Mbps IPsec VPN in a single, consolidated, 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 800 Mbps IPsec VPN in a single, consolidated, cost-effective networking and security platform.

## SRX300 Highlights

The SRX300 line of services gateways consists of secure routers that bring high performance and proven deployment capabilities to enterprises that need to build a worldwide network of thousands of remote sites. Ethernet, serial, T1/E1, ADSL2/2+, VDSL2, and 3G/4G LTE wireless are all available options for WAN or Internet connectivity to link sites. Industry best, high-performance IPsec VPN solutions provide comprehensive encryption and authentication capabilities to secure intersite communications. Multiple form factors with Ethernet switching support on native Gigabit Ethernet ports allow cost-effective choices for mission-critical deployments.

Juniper Networks Junos® automation and scripting capabilities and Junos Space Security Director reduce operational complexity and simplify the provisioning of new sites.

The SRX300 line of devices recognizes more than 3,500 Layer 3-7 applications, including Web 2.0 and evasive peer-to-peer (P2P) applications like Skype, torrents, and others. Correlating application information with user contextual information, the SRX300 line can generate bandwidth usage reports, enforce access control policies, prioritize and rate-limit traffic going out of WAN interfaces, and proactively secure remote sites. This optimizes resources in the branch office and improves the application and user experience.

Along with Juniper Contrail Service Orchestration, the SRX300 line delivers fully automated SD-WAN to both enterprises and service providers. A Zero-Touch Provisioning (ZTP) capability greatly simplifies branch network connectivity for initial deployment and ongoing management. 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.

For the perimeter, 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 on-box and cloud-based antivirus, anti-spam, and enhanced Web filtering, protecting networks from the latest content-borne threats. Integrated threat intelligence via Juniper Networks Spotlight Secure offers adaptive threat protection against Command and Control (C&C)-related botnets and policy enforcement based on GeoIP. Customers can also leverage their own custom and third-party feeds for protection from advanced malware and other threats. Integrating the Juniper Networks Sky 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.

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

SRX300 services gateways run Juniper Networks Junos operating system, a proven, carrier-hardened network OS that powers the top 100 service provider networks around the world. The rigorously tested, carrier-class, rich routing features such as IPv4/IPv6, OSPF, BGP, and multicast have been proven in over 15 years of worldwide deployments.

## Features and Benefits

Business Requirement	Feature/Solution	SRX300 Advantages
High performance	Up to 5 Gbps of routing and firewall performance	<ul style="list-style-type: none"> <li>• Best suited for small, medium and large branch office deployments</li> <li>• Addresses future needs for scale and feature capacity</li> </ul>
Business continuity	Stateful high availability (HA), IP monitoring	<ul style="list-style-type: none"> <li>• Uses stateful HA to synchronize configuration and firewall sessions</li> <li>• Supports multiple WAN interface with dial-on-demand backup</li> <li>• Route/link failover based on real-time link performance</li> </ul>
SD-WAN	Better end-user application and cloud experience and lower operational costs	<ul style="list-style-type: none"> <li>• ZTP simplifies remote device provisioning</li> <li>• Centralized or local Advanced Policy-Based Routing (APBR) orchestrates business intent policies across the enterprise WAN</li> <li>• Application quality of experience (AppQoE) measures application SLAs and improves end-user experience</li> </ul>
End-user experience	App visibility and control	<ul style="list-style-type: none"> <li>• Detects 3,500+ Layer 3-7 applications, including Web 2.0</li> <li>• Controls and prioritizes traffic based on application and use role</li> <li>• Inspects and detects applications inside the SSL encrypted traffic</li> </ul>
Highly secure	IPsec VPN, Media Access Control Security (MACsec) <sup>1</sup>	<ul style="list-style-type: none"> <li>• Creates secure, reliable, and fast overlay link over public internet</li> <li>• Employs anti-counterfeit features to protect from unauthorized hardware spares</li> <li>• High-performance CPU with built-in hardware assist IPsec acceleration</li> <li>• TPM-based protection of device secrets such as passwords and certificates</li> </ul>
Threat protection	IPS, antivirus, anti-spam, Spotlight Secure, Sky Advanced Threat Prevention <sup>2</sup>	<ul style="list-style-type: none"> <li>• Enables zone-based stateful firewall by default</li> <li>• Protects from malware and attacks with IPS and antivirus</li> <li>• Integrates open threat intelligence platform with third-party feeds</li> <li>• Defends against zero-day attacks</li> </ul>
Easy to manage and scale	On-box GUI, Security Director	<ul style="list-style-type: none"> <li>• Includes centralized management for auto-provisioning, firewall policy management, Network Address Translation (NAT), and IPsec VPN deployments</li> <li>• Includes simple easy-to-use on-box GUI for local management</li> </ul>
Minimize TCO	Junos OS	<ul style="list-style-type: none"> <li>• Integrates routing, switching, and security in a single device</li> <li>• Reduces operation expense with Junos automation capabilities</li> </ul>

<sup>1</sup>MACsec for LAN/WAN links available in 15.1X49-D100 and later releases.

<sup>2</sup>SSL forward proxy and Sky ATP are supported on SRX340 and higher platforms.



SRX300



SRX320



SRX340



SRX345

## 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: Generic routing encapsulation (GRE)3, IP-IP3, IPsec
- Site-site IPsec VPN, auto VPN, group VPN
- IPsec crypto algorithms: Data Encryption Standard (DES), triple DES (3DES), Advanced Encryption Standard (AES-256), AES-GCM

- IPsec authentication algorithms: MD5, SHA-1, SHA-128, SHA-256
- Pre-shared key and public key infrastructure (PKI) (X.509)
- Perfect forward secrecy, anti-reply
- IPv4 and IPv6 IPsec VPN
- Multi-proxy ID for site-site VPN
- Internet Key Exchange (IKEv1, IKEv2), NAT-T
- Virtual router and quality-of-service (QoS) aware
- Standard-based dead peer detection (DPD) support
- VPN monitoring

#### 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)<sup>3</sup>
- 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)<sup>3</sup>
- 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
- 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 Services<sup>4</sup>

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

#### Threat Defense and Intelligence Services<sup>5</sup>

- Intrusion prevention
- Antivirus
- Antispam
- Category/reputation-based URL filtering
- Spotlight Secure threat intelligence
- Protection from botnets (command and control)
- Adaptive enforcement based on GeoIP
- Sky Advanced Threat Prevention to detect and block zero-day attacks<sup>6</sup>

<sup>3</sup> GRE, IP-IP, J-Flow monitoring, and VRRP are not supported in stateful high-availability mode.

<sup>4</sup> Available as part of Junos Software Enhanced (JSE) software package or advanced security subscription licenses.

<sup>5</sup> Offered as advanced security services subscription licenses.

<sup>6</sup> Sky ATP is supported on SRX340 and higher platforms.

## Hardware Specifications

Specification	SRX300	SRX320	SRX340	SRX345
<b>Connectivity</b>				
Total onboard ports	8x1GbE	8x1GbE	16x1GbE	16x1GbE
Onboard RJ-45 ports	6x1GbE	6x1GbE	8x1GbE	8x1GbE
Onboard small form-factor pluggable (SFP) transceiver ports	2x1GbE	2x1GbE	8x1GbE	8x1GbE
MACsec-capable ports	2x1GbE	2x1GbE	16x1GbE	16x1GbE
Out-of-band (OOB) management ports	0	0	1x1GbE	1x1GbE
Mini PIM (WAN) slots	0	2	4	4
Console (RJ-45 + miniUSB)	1	1	1	1
USB 3.0 ports (type A)	1	1	1	1
Optional PoE+ ports	N/A	6 <sup>7</sup>	0	0
<b>Memory and Storage</b>				
System memory (RAM)	4 GB	4 GB	4 GB	4 GB
Storage (flash)	8 GB	8 GB	8 GB	8 GB
SSD slots	0	0	1	1
<b>Dimensions and Power</b>				
Form factor	Desktop	Desktop	1 U	1 U
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) <sup>8</sup>
Weight (device and PSU)	4.38 lb (1.98 kg)	3.28 lb (1.51 kg) <sup>9</sup> / 3.4 lb (1.55 kg) <sup>10</sup>	10.80 lb (4.90 kg)	10.80 lb (4.90 kg) / 11.02lb (5 kg) <sup>12</sup>
Redundant PSU	No	No	No	Yes
Power supply	AC (external)	AC (external)	AC (internal)	AC (internal) / DC (internal) <sup>12</sup>
DC Input	N/A	N/A	N/A	-40.8 VDC to -72 VDC <sup>12</sup>
Maximum PoE power	N/A	180 W <sup>10</sup>	N/A	N/A
Average power consumption	24.9 W	46 W <sup>9</sup> /221 W <sup>10</sup>	122 W	122 W
Average heat dissipation	85 BTU/h	157 BTU/h <sup>9</sup> /755 BTU/h <sup>10</sup>	420 BTU/h	420 BTU/h
Maximum current consumption	0.346 A	0.634 A <sup>9</sup> /2.755 A <sup>10</sup>	1.496 A	1.496 A / 6A @ -48 VDC <sup>12</sup>
Acoustic noise level	0dB (fanless)	37 dBA <sup>9</sup> /40 dBA <sup>10</sup>	45.5 dBA	45.5 dBA
Airflow/cooling	Fanless	Front to back	Front to back	Front to back
<b>Environmental, Compliance, and Safety Certification</b>				
Operational temperature	-4° to 140° F (-20° to 60° C) <sup>11</sup>		32° to 104° F (0° to 40° C)	-32° to 104° F (-0° to 40° C) <sup>12</sup>
Nonoperational temperature			4° to 158° F (-20° to 70° C)	
Operating humidity			10% to 90% noncondensing	
Nonoperating humidity			5% to 95% noncondensing	
Mean time between failures (MTBF)	44.5 years	32.5 years <sup>9</sup> / 26 years <sup>10</sup>	27 years	27.4 years
FCC classification	Class A	Class A	Class A	Class A
RoHS compliance	RoHS 2	RoHS 2	RoHS 2	RoHS 2
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)
Common Criteria certification		NDPP, VPNEP, FWEP, IPSEP (based on Junos 15.1X49-D60)		

<sup>7</sup> SRX320 with PoE+ ports available as a separate SKU: SRX320-POE.<sup>8</sup> SRX345 with dual AC PSU model.<sup>9</sup> SRX320 non PoE model.<sup>10</sup> SRX320-POE with 6 ports PoE+ model.<sup>11</sup> As per GR63 Issue 4 (2012) test criteria.<sup>12</sup> SRX345 with DC power supply (operating temperature as per GR-63 Issue 4 2012 test criteria)

## Performance and Scale

Parameter	SRX300	SRX320	SRX340	SRX345
Routing with packet mode (64 B packet size) in Kpps <sup>13</sup>	300	300	550	750
Routing with packet mode (IMIX packet size) in Mbps <sup>13</sup>	800	800	1,600	2,300
Routing with packet mode (1,518 B packet size in Mbps <sup>13</sup>	1,500	1,500	3,000	5,500
Stateful firewall (64 B packet size) in Kpps <sup>13</sup>	200	200	350	550
Stateful firewall (IMIX packet size) in Mbps <sup>13</sup>	500	500	1,100	1,700
Stateful firewall (1,518 B packet size) in Mbps <sup>13</sup>	1,000	1,000	3,000	5,000
IPsec VPN (IMIX packet size) in Mbps <sup>13</sup>	100	100	200	300
IPsec VPN (1,400 B packet size) in Mbps <sup>13</sup>	300	300	600	800
Application visibility and control in Mbps <sup>14</sup>	500	500	1,000	1,700
Recommended IPS in Mbps <sup>14</sup>	200	200	400	600
Next-generation firewall in Mbps <sup>14</sup>	100	100	200	300
Route table size (RIB/FIB) (IPv4 or IPv6)	256,000/256,000	256,000/256,000	1 million/600,000 <sup>15</sup>	1 million/600,000 <sup>15</sup>
Maximum concurrent sessions (IPv4 or IPv6)	64,000	64,000	256,000	375,000
Maximum security policies	1,000	1,000	2,000	4,000
Connections per second	5,000	5,000	10,000	15,000
NAT rules	1,000	1,000	2,000	2,000
MAC table size	15,000	15,000	15,000	15,000
IPsec VPN tunnels	256	256	1,024	2,048
Number of remote access uses	25	50	150	250
GRE tunnels	256	256	512	1,024
Maximum number of security zones	16	16	64	64
Maximum number of virtual routers	32	32	64	128
Maximum number of VLANs	1,000	1,000	2,000	3,000
AppID sessions	16,000	16,000	64,000	64,000
IPS sessions	16,000	16,000	64,000	64,000
URLF sessions	16,000	16,000	64,000	64,000

## WAN Interface Support Matrix

WAN Interface	SRX300	SRX320	SRX340	SRX345
1 port T1/E1 MPIM (SRX-MP-1T1E1-R)	No	Yes	Yes	Yes
1 port VDSL2 Annex A/M MPIM (SRX-MP-1VDSL2-R)	No	Yes	Yes	Yes
1 port serial MPIM (SRX-MP-1SERIAL-R)	No	Yes	Yes	Yes
4G / LTE MPIM (SRX-MP-LTE-AA & SRX-MP-LTE-AE)	No	Yes	Yes	Yes

<sup>13</sup>Throughput numbers based on UDP packets and RFC2544 test methodology.

<sup>14</sup>Throughput numbers based on HTTP traffic with 44 KB transaction size.

<sup>15</sup>Route scaling numbers are with enhanced route-scale features turned on.



## Ordering Information

The SRX300 line offers a number of flexible ordering options. Customers can choose the Junos software package for each SRX300 line platform purchased based on their needs. Two Junos software packages are available with the SRX300 line hardware: Junos Software Base (JSB/JB) and Junos Software Enhanced (JSE/JE). All routing, firewall, IPSec, and advanced networking services are included in the JSB/JB package. The JSE/JE package Includes all JSB capabilities, plus application security services (application identification, application firewall, application QoS, and application routing). Advanced security services intrusion prevention, content security, and Sky Advanced Threat Protection are offered as annual subscription-based services with any of the Junos software packages.

	SRXnnn-SYS-JB	SRXnnn-SYS-JE
Hardware	Included	Included
Management (CLI, JWEB, SNMP, Telnet, SSH)	•	•
Ethernet switching (L2 Forwarding, IRB, LACP etc)	•	•
L2 Transparent, Secure Wire	•	•
Routing (RIP, OSPF, BGP, Virtual router)	•	•
Multicast (IGMP, PIM, SSDP, DMVRP)	•	•
Packet Mode	•	•
Overlay (GRE, IP-IP)	•	•
Network Services (J-Flow, DHCP, QOS, BFD)	•	•
Stateful Firewall, Screens, ALGs	•	•
NAT (static, SNAT, DNAT)	•	•
IPSec VPN (Site-Site VPN, Auto VPN, Group VPN)	•	•
Firewall policy enforcement (UAC, Aruba CPPM)	•	•
Remote Access VPN (2 free licenses)	L	L
Chassis Cluster, VRRP, ISSU / ICU	•	•
Automation (Junos scripting, auto-installation)	•	•
MPLS, LDP, RSVP, L3 VPN, pseudo-wires, VPLS	•	•
Application Security (AppID, AppFW, AppQOS, AppRoute)		•

L = Per-user license-based; two free user 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.
SRX300-SYS-JE	SRX300 Services Gateway includes hardware (8GbE, 4G RAM, 8G Flash, power adapter and cable) and Junos Software Enhanced (firewall, NAT, IPSec, routing, MPLS, switching and application security). 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.

Product Number	Description
SRX320-SYS-JE	SRX320 Services Gateway includes hardware (8GbE, 2x MPIM slots, 4G RAM, 8G Flash, power adapter and cable) and Junos Software Enhanced (firewall, NAT, IPSec, routing, MPLS, switching and application security). 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.
SRX320-SYS-JE-P	SRX320 Services Gateway includes hardware (8GbE, 6-port POE+, 2x MPIM slots, 4G RAM, 8G Flash, power adapter and cable) and Junos Software Enhanced (firewall, NAT, IPSec, routing, MPLS, switching and application security). 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)
SRX340-SYS-JE	SRX340 Services Gateway includes hardware (16GbE, 4x MPIM slots, 4G RAM, 8G Flash, power supply, cable and RMK) and Junos Software Enhanced (firewall, NAT, IPSec, routing, MPLS, switching and application security)
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-JE	SRX345 Services Gateway includes hardware (16GbE, 4x MPIM slots, 4G RAM, 8G Flash, power supply, cable and RMK) and Junos Software Enhanced (firewall, NAT, IPSec, routing, MPLS, switching and application security)
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-JE-2AC	SRX345 Services Gateway includes hardware (16GbE, 4x MPIM slots, 4G RAM, 8G Flash, dual AC power supply, cable and RMK) and Junos Software Enhanced (firewall, NAT, IPSec, routing, MPLS, switching and application security)
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)
SRX345-SYS-JE-DC	SRX345 Services Gateway includes hardware (16GbE, 4x MPIM slots, 4G RAM, 8G Flash, single DC power supply, cable and RMK) and Junos Software Enhanced (firewall, NAT, IPSec, routing, MPLS, switching and application security)

## Remote Access VPN (Dynamic VPN) Licenses

Product Number	Description
SRX-RAC-5-LTU	Dynamic VPN service: 5 simultaneous Access Manager users
SRX-RAC-10-LTU	Dynamic VPN service: 10 simultaneous Access Manager users
SRX-RAC-25-LTU	Dynamic VPN service: 25 simultaneous Access Manager users
SRX-RAC-50-LTU	Dynamic VPN service: 50 simultaneous Access Manager users
SRX-RAC-100-LTU	Dynamic VPN service: 100 simultaneous Access Manager users
SRX-RAC-150-LTU	Dynamic VPN service: 150 simultaneous Access Manager users
SRX-RAC-250-LTU	Dynamic VPN service: 250 simultaneous Access Manager users

## Interfaces Modules

Product Number	Description
SRX-MP-1T1E1-R	1 port T1E1, MPIM form factor supported on SRX320, SRX340, SRX345 and SRX550M. ROHS complaint
SRX-MP-1VDSL2-R	1 port VDSL2 (backward compatible with ADSL / ADSL2+), MPIM form factor supported on SRX320, SRX340, SRX345 and SRX550M. ROHS complaint
SRX-MP-1SERIAL-R	1 port Synchronous Serial, MPIM form factor supported on SRX320, SRX340, SRX345 and SRX550M. ROHS complaint
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 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 and SRX550M

## 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	SRX320-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
JSU-SSD-MLC-100	Juniper Storage Unit, SSD, MLC, 100GB

## About Juniper Networks

Juniper Networks brings simplicity to networking with products, solutions and services that connect the world. Through engineering innovation, we remove the constraints and complexities of networking in the cloud era to solve the toughest challenges our customers and partners face daily. At Juniper Networks, we believe that the network is a resource for sharing knowledge and human advancement that changes the world. We are committed to imagining groundbreaking ways to deliver automated, scalable and secure networks to move at the speed of business.

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