

SRX Series Services Gateways for the Branch

SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650



Product Overview

SRX Series Services Gateways for the branch are next-generation security gateways that provide essential capabilities that connect, secure, and manage workforce locations sized from handfuls to hundreds of users. By consolidating fast, highly available switching, routing, security, and next generation firewall capabilities in a single device, enterprises can protect their resources as well as economically deliver new services, safe connectivity, and a satisfying end-user experience. All SRX Series Services Gateways, including products scaled for Enterprise branch, Enterprise edge, and Data Center applications, are powered by Junos OS—the proven operating system that provides unmatched consistency, better performance with services, and superior infrastructure protection at a lower total cost of ownership.

Product Description

The Juniper Networks® SRX Series Services Gateways for the branch combine next generation firewall and unified threat management (UTM) services with routing and switching in a single, high-performance, cost-effective network device.

- SRX Series for the branch runs Juniper Networks Junos® operating system, the proven OS that is used by core Internet routers in all of the top 100 service providers around the world. The rigorously tested carrier-class routing features of IPv4/IPv6, OSPF, BGP, and multicast have been proven in over 15 years of worldwide deployments.
- SRX Series for the branch provides perimeter security, content security, application visibility, tracking and policy enforcement, user role-based control, threat intelligence through integration with Juniper Networks Spotlight Secure*, and network-wide threat visibility and control. Using zones and policies, network administrators can configure and deploy branch SRX Series gateways quickly and securely. Policy-based VPNs support more complex security architectures that require dynamic addressing and split tunneling. The SRX Series also includes wizards for firewall, IPsec VPN, Network Address Translation (NAT), and initial setup to simplify configurations out of the box.
- For content security, SRX Series for the branch offers a complete suite of next generation firewall, unified threat management (UTM) and threat intelligence services consisting of: intrusion prevention system (IPS), application security (AppSecure), user role-based firewall controls, on-box and cloud-based antivirus, antispam, and enhanced Web filtering to protect your network from the latest content-borne threats. Integrated threat intelligence via Spotlight Secure offers adaptive threat protection against command and control (C&C) related botnets and policy enforcement based on GeolIP and attacker fingerprinting technology (the latter for Web application protection)—all of which are based on Juniper provided feeds. Customers may also leverage their own custom and third-party feeds for protection from advanced malware and other threats. The branch SRX Series integrates with other Juniper security products to deliver enterprise-wide unified access control (UAC) and adaptive threat management.
- SRX Series for the branch are secure routers that bring high performance and proven deployment capabilities to enterprises that need to build a worldwide network of thousands of sites. The wide variety of options allow configuration of performance, functionality, and price scaled to support from a handful to thousands of users. Ethernet, serial, T1/E1, DS3/E3, xDSL, Wi-Fi, and 3G/4G LTE wireless are all available options for WAN or Internet connectivity to securely link your sites. Multiple form factors allow you to make cost-effective choices for mission-critical deployments. Managing the network is easy using the proven Junos OS command-line interface (CLI), scripting capabilities, a simple-to-use Web-based GUI, or Juniper Networks Junos® Space Security Director for centralized management.

*Available on SRX550 and higher devices



Architecture and Key Components

Key Hardware Features of the Branch SRX Series Products

| Product | Description |
|-------------------------|--|
| SRX100 Services Gateway | <ul style="list-style-type: none"> Eight 10/100 Ethernet LAN ports and 1 USB port (support for 3G USB) Full UTM¹; antivirus¹, antispam¹, enhanced Web filtering¹, and content filtering Intrusion prevention system¹, AppSecure¹ 2 GB DRAM, 2 GB flash default |
| SRX110 Services Gateway | <ul style="list-style-type: none"> VDSL/ADSL2+ and Ethernet WAN interfaces Eight 10/100 Ethernet LAN ports and two USB port (support for 3G USB) Full UTM¹; antivirus¹, antispam¹, enhanced Web filtering¹, intrusion prevention system¹, AppSecure¹ Unified Access Control (UAC) and content filtering 2 GB DRAM, 2 GB CF default |
| SRX210 Services Gateway | <ul style="list-style-type: none"> Two 10/100/1000 Ethernet and 6 10/100 Ethernet LAN ports, 1 Mini-PIM slot, and 2 USB ports (support for 3G USB) Factory option of 4 dynamic Power over Ethernet (PoE) ports 802.3af Support for T1/E1, serial, ADSL2/2+, VDSL, G.SHDSL, and Ethernet small form-factor pluggable transceiver (SFP) Content Security Accelerator hardware for faster performance of IPS and ExpressAV (with high memory version) Full UTM¹; antivirus¹, antispam¹, enhanced Web filtering¹, and content filtering Intrusion prevention system¹, User role-based firewall, and AppSecure¹ 2 GB DRAM, 2 GB flash default |
| SRX220 Services Gateway | <ul style="list-style-type: none"> Eight 10/100/1000 Ethernet LAN ports, 2 Mini-PIM slots Factory option of 8 PoE ports; PoE+ 802.3at, backwards compatible with 802.3af Support for T1/E1, serial, ADSL2/2+, VDSL, G.SHDSL, and Ethernet SFP Content Security Accelerator hardware for faster performance of IPS and ExpressAV Full UTM¹; antivirus¹, antispam¹, enhanced Web filtering¹, and content filtering Intrusion prevention system¹, User role-based firewall and AppSecure¹ 2 GB DRAM, 2 GB CF default |
| SRX240 Services Gateway | <ul style="list-style-type: none"> 16 10/100/1000 Ethernet LAN ports, 4 Mini-PIM slots Factory option of 16 PoE ports; PoE+ 802.3at, backwards compatible with 802.3af Support for T1/E1, serial, ADSL2/2+, VDSL, G.SHDSL, and Ethernet SFP Content Security Accelerator hardware for faster performance of IPS and ExpressAV Full UTM¹; antivirus¹, antispam¹, enhanced Web filtering¹, and content filtering Intrusion prevention system¹, AppSecure¹ |
| SRX550 Services Gateway | <ul style="list-style-type: none"> Ten fixed Ethernet ports (6 10/100/1000 copper, 4 SFP), 2 Mini-PIM slots, 6 GPIM slots or multiple GPIM and XPIM combinations Support for T1/E1, serial, ADSL2/2+, VDSL, G.SHDSL, DS3/E3, Gigabit Ethernet ports; supports up to 52 Ethernet ports including SFP; 40 switch ports with optional PoE including 802.3at, PoE+, backwards compatible with 802.3af (or 50 non-PoE 10/100/1000 copper ports) Content Security Accelerator hardware for faster performance of IPS and ExpressAV Full UTM¹; antivirus¹, antispam¹, enhanced Web filtering¹, and content filtering Intrusion prevention system¹, User role-based firewall, and AppSecure¹ Threat intelligence for protection from command and control (C&C) botnets, Web application threats, and advanced malware, and policy enforcement based on GeoIP data 2 GB DRAM default, 2 GB compact flash default (SRX550) 4 GB DRAM default, 8 GB compact flash default (SRX550 High Memory) Optional redundant AC power; standard AC power supply that is PoE-ready; PoE power up to 250 watts single power supply or 500 watts dual power supply |
| SRX650 Services Gateway | <ul style="list-style-type: none"> Four fixed ports 10/100/1000 Ethernet LAN ports, 8 GPIM slots or multiple GPIM and XPIM combinations Support for T1, E1, DS3/E3, Ethernet ports; supports up to 52 Ethernet ports including SFP; 48 switch ports with optional PoE including 802.3at, PoE+, backwards compatible with 802.3af (or 52 non-PoE 10/100/1000 copper ports) Content Security Accelerator hardware for faster performance of IPS and ExpressAV Full UTM¹; antivirus¹, antispam¹, enhanced Web filtering¹, and content filtering Intrusion prevention system¹, User role-based firewall, and AppSecure¹ Threat intelligence for protection from command and control (C&C) botnets, Web application threats, and advanced malware, and policy enforcement based on GeoIP data Modular Services and Routing Engine; future internal failover and hot-swap 2 GB DRAM default, 2 GB compact flash default, external compact flash slot for additional storage Optional redundant AC power; standard AC power supply that is PoE-ready; PoE power up to 250 watts single power supply or 500 watts dual power supply |

Network Deployments

The SRX Series Services Gateways for the branch are deployed at remote, branch and Enterprise edge locations in the network to provide all-in-one secure WAN connectivity, and connection to local PCs and servers via integrated Ethernet switching.

¹ Unified Threat Management—antivirus, antispam, Web filtering, AppSecure, and IPS require a subscription license option to use the feature. UTM is not supported on the low memory version. Please see the ordering section for options. Content Filtering and UAC are part of the base software with no additional license.

Features and Benefits

Next Generation Firewall

SRX Series Services Gateways deliver next generation firewall protection with application awareness and extensive user role-

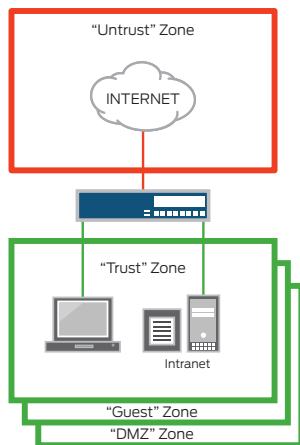


Figure 1: Firewalls, zones, and policies

based control options plus best-of-breed UTM to protect and control your business assets. Next generation firewalls are able to perform full packet inspection and can apply security policies based on layer 7 information. This means you can create security policies based on the application running across your network, the user who is receiving or sending network traffic or the content that is traveling across your network to protect your environment against threats, manage how

your network bandwidth is allocated, and control who has access to what.

AppSecure

AppSecure is a suite of application security capabilities for Juniper Networks SRX Series services Gateways that identifies applications for greater visibility, enforcement, control, and protection of the network.

Intrusion Prevention

The intrusion prevention system (IPS) understands application behaviors and weaknesses to prevent application-borne security threats that are difficult to detect and stop.

Unified Threat Management (UTM)

SRX Series can include comprehensive content security against malware, viruses, phishing attacks, intrusions, spam and other threats with unified threat management (UTM). Get a best-of-breed solution with anti-virus, anti-spam, web filtering and content filtering at a great value by easily adding these services to your SRX Series Services Gateway. Cloud-based and on-box solutions are both available.

User Firewall

Juniper offers a range of user role-based firewall control solutions that support dynamic security policies. User role-based firewall capabilities are integrated with the SRX Series Services Gateways for standard next generation firewall controls. More extensive, scalable, granular access controls for creating dynamic policies are available through the integration of SRX with a Juniper Unified Access Control solution.

Adaptive Threat Intelligence

To address the evolving threat landscape that has made it imperative to integrate external threat intelligence into the firewall for thwarting advanced malware and other threats, some SRX Series Services Gateways include threat intelligence via integration with Spotlight Secure. The Spotlight Secure threat intelligence platform aggregates threat feeds from multiple sources to deliver open, consolidated, actionable intelligence to SRX Series Services Gateways across the organization for policy enforcement. These sources include Juniper threat feeds, third party threat feeds and threat detection technologies that the customer can deploy.

Administrators are able to define enforcement policies from all feeds via a single, centralized management point, Junos Space Security Director.

Secure Routing

Many organizations use both a router and a firewall/VPN at their network edge to fulfill their networking and security needs. For many organizations, the SRX Series for the branch can fulfill both roles with one solution. Juniper built best-in-class routing, switching and firewall capabilities into one product.

SRX Series for the branch checks the traffic to see if it is legitimate and permissible, and only forwards it on when it is. This reduces the load on the network, allocates bandwidth for all other mission-critical applications, and secures the network from malicious users.

The main purpose of a secure router is to provide firewall protection and apply policies. The firewall (zone) functionality inspects traffic flows and state to ensure that originating and returning information in a session is expected and permitted for a particular zone. The security policy determines if the session can originate in one zone and traverse to another zone. Due to the architecture, SRX Series receives packets from a wide variety of clients and servers and keeps track of every session, of every application, and of every user. This allows the enterprise to make sure that only legitimate traffic is on its network and that traffic is flowing in the expected direction.

High Availability

Junos Services Redundancy Protocol (JSRP) is a core feature of the SRX Series for the branch. JSRP enables a pair of SRX Series systems to be easily integrated into a high availability network architecture, with redundant physical connections between the systems and the adjacent network switches. With link redundancy, Juniper Networks can address many common causes of system failures, such as a physical port going bad or a cable getting disconnected, to ensure that a connection is available without having to fail over the entire system. This is consistent with a typical active/standby nature of routing resiliency protocols.

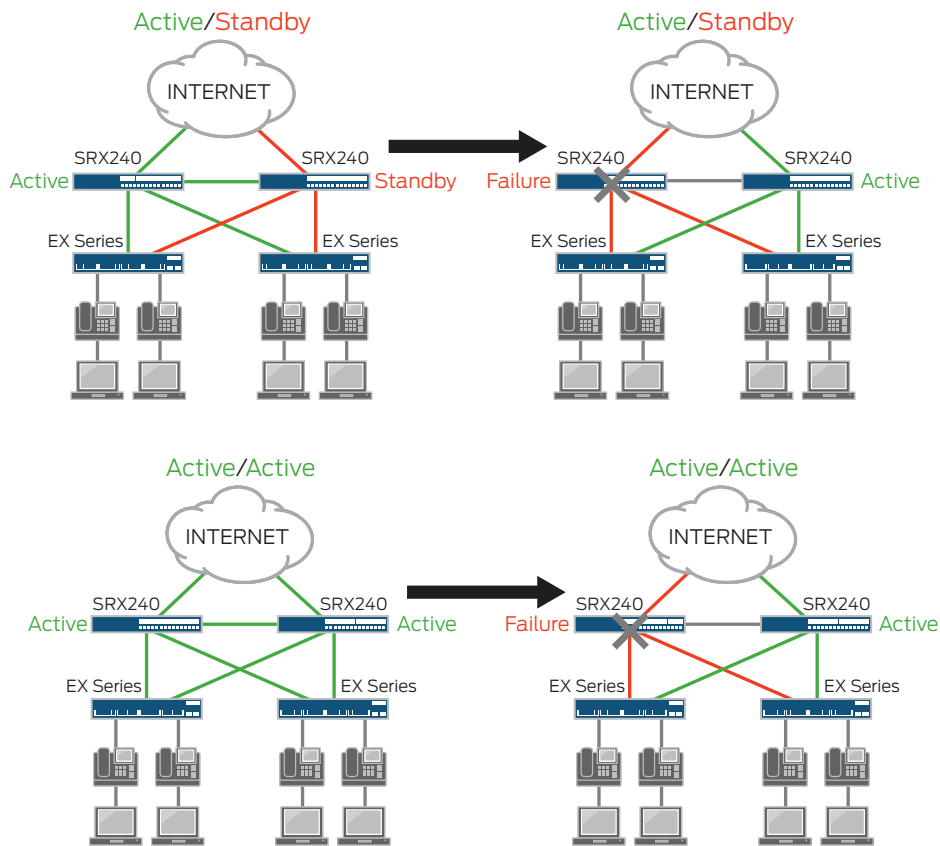


Figure 2: High availability

When SRX Series Services Gateways for the branch are configured as an active/active HA pair, traffic and configuration is mirrored automatically to provide active firewall and VPN session maintenance in case of a failure. The branch SRX Series synchronizes both configuration and runtime information. As a result, during failover, synchronization of the following information is shared: connection/session state and flow information, IPsec security associations, Network Address Translation (NAT) traffic, address book information, configuration changes, and more. In contrast to the typical router active/standby resiliency protocols such as Virtual Router Redundancy Protocol (VRRP), all dynamic flow and session information is lost and must be reestablished in the event of a failover. Some or all network sessions will have to restart depending on the convergence time of the links or nodes. By maintaining state, not only is the session preserved, but security is kept intact. In an unstable network, this active/active configuration also mitigates link flapping affecting session performance.

Session-Based Forwarding Without the Performance Hit

In order to optimize the throughput and latency of the combined router and firewall, Junos OS implements session-based forwarding, an innovation that combines the session state information of a traditional firewall and the next-hop forwarding of a classic router into a single operation. With Junos OS, a session that is permitted by the forwarding policy is added to

the forwarding table along with a pointer to the next-hop route. Established sessions have a single table lookup to verify that the session has been permitted and to find the next hop. This efficient algorithm improves throughput and lowers latency for session traffic when compared with a classic router that performs multiple table lookups to verify session information and then to find a next-hop route.

Figure 3 shows the session-based forwarding algorithm. When a new session is established, the session-based architecture within Junos OS verifies that the session is allowed by the forwarding policies. If the session is allowed, Junos OS will look up the next-hop route in the routing table. It then inserts the session and the next-hop route into the session and forwarding table and forwards the packet. Subsequent packets for the established session require a single table lookup in the session and forwarding table, and are forwarded to the egress interface.

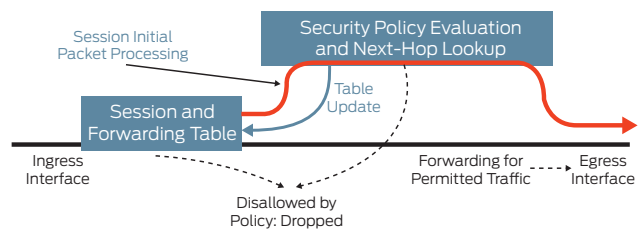


Figure 3: Session-based forwarding algorithm

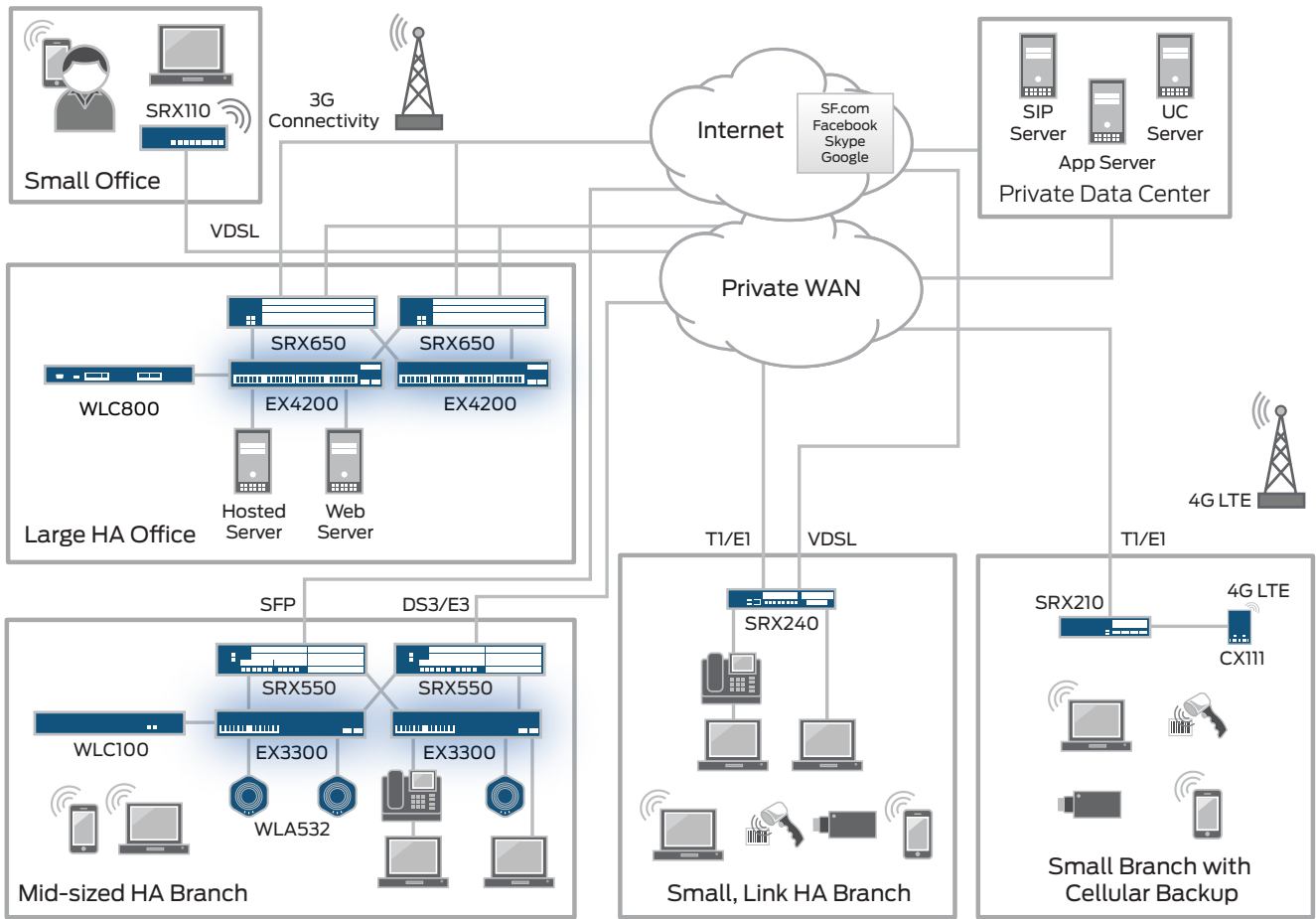


Figure 4: The distributed enterprise



Specifications

Protocols

- IPv4, IPv6, ISO Connectionless Network Service (CLNS)

Routing and Multicast

- Static routes
- RIPv2 +v1
- OSPF/OSPFv3
- BGP
- BGP Router Reflector¹
- IS-IS
- Multicast (Internet Group Management Protocol (IGMPv1/2/3), PIM-SM/DM/SSM, Session Description Protocol (SDP), Distance Vector Multicast Routing Protocol (DVMRP), source-specific, Multicast inside IPsec tunnel), MSDP
- MPLS (RSVP, LDP, Circuit Cross-connect (CCC), Translational Cross-connect (TCC), Layer 2 VPN (VPLS), Layer 3 VPN, VPLS, NGMVPN)

IP Address Management

- Static
- DHCP, PPPoE client
- Internal DHCP server, DHCP Relay

Address Translation

- Source NAT with Port Address Translation (PAT)
- Static NAT
- Destination NAT with PAT
- Persistent NAT, NAT64

Encapsulations

- Ethernet (MAC and VLAN tagged)
- Point-to-Point Protocol (PPP) (synchronous)
 - Multilink Point-to-Point Protocol (MLPPP)
- Frame Relay
 - Multilink Frame Relay (MLFR) (FRF.15, FRF.16), FRF.12, LFI
- High-Level Data Link Control (HDLC)
- Serial (RS-232, RS-449, X.21, V.35, EIA-530)
- 802.1q VLAN support
- Point-to-Point Protocol over Ethernet (PPPoE)

L2 Switching²

- 802.1Q, 802.1D, RSTP, MSTP, 802.3ad (LACP)
- 802.1x, LLDP, 802.1ad (Q-in-Q), IGMP Snooping
- Layer 2 switching with high availability

Traffic Management Quality of Service (QoS)

- 802.1p, DSCP, EXP
- Marking, policing, and shaping
- Class-based queuing with prioritization

- Weighted random early detection (WRED)
- Queuing based on VLAN, data-link connection identifier (DLCI), interface, bundles, or multi-field (MF) filters
- Guaranteed bandwidth
- Maximum bandwidth
- Ingress traffic policing
- Priority-bandwidth utilization
- DiffServ marking
- Virtual channels

Security

Firewall

- Firewall, zones, screens, policies
- Stateful firewall, stateless filters
- Network attack detection
- Screens denial of service (DoS) and provides distributed denial of service (DDoS) protection (anomaly-based)
- Prevent replay attack; Anti-Replay
- Unified Access Control
 - TCP reassembly for fragmented packet protection
 - Brute force attack mitigation
 - SYN cookie protection
 - Zone-based IP spoofing
 - Malformed packet protection

NGFW/UTM³

- Intrusion Prevention System (IPS)
 - Protocol anomaly detection
 - Stateful protocol signatures
 - Intrusion prevention system (IPS) attack pattern obfuscation
 - User role-based policies
- Customer signatures creation
- Multiple times a week and emergency updates
- AppSecure
 - AppTrack (application visibility and tracking)
 - AppFirewall (policy enforcement by application name)
 - Custom signatures
 - AppQoS (network traffic prioritization and bandwidth management)
 - Dynamic signature updates
 - User-based application policy enforcement
- Antivirus
 - Express AV (stream-based AV, not available on SRX100 and SRX110)
 - File-based antivirus
 - Signature database
 - Protocols scanned: POP3, HTTP, SMTP, IMAP, FTP

¹BGP Route Reflector supported on SRX550 and SRX650. See ordering section for more information.

²As of Junos 15.1X49-D40, the SRX550 High Memory unit does not support xSTP, LLDP, 802.1x, Q-in-Q, IGMP Snooping and L2 switching with HA

³Unified Threat Management – antivirus, antispam, Web filtering, AppSecure, and IPS require individual subscription license. UTM is not supported on the low memory version. Please see the ordering section for options.

- Antispyware
- Anti-adware
- Antikeylogger
- Cloud-based antivirus
- Antispam
- Integrated enhanced Web filtering
 - Category granularity (90+ categories)
 - Real time threat score
- Redirect Web filtering
- Content Security Accelerator in SRX210 high memory, SRX220, SRX240, SRX550, and SRX650⁴
- ExpressAV option in SRX210 high memory, SRX220 high memory, SRX240, SRX550, and SRX650⁴
- Content filtering
 - Based on MIME type, file extension, and protocol commands

VPN

- Auto VPN (Zero Touch Hub)
- Tunnels (GRE, IP-IP, IPsec)
- IPsec, Data Encryption Standard (DES) (56-bit), triple Data Encryption Standard (3DES) (168-bit), Advanced Encryption Standard (AES) (128-bit+) encryption
- Message Digest 5 (MD5), SHA-1, SHA-128, SHA-256 authentication
- Junos Pulse Dynamic VPN client; browser-based remote access feature requiring a license
- IPv4 and IPv6 VPN
- Multi-Proxy ID for site-to-site VPN

Multimedia Transport

- Compressed Real-Time Transport Protocol (CRTP)

High Availability

- VRRP
- JSRP
- Stateful failover and dual box clustering
- SRX550/SRX650:
 - Redundant power (optional)
 - GPIM hot swap
 - Future internal failover and SRE hot swap (OIR) on SRX650
- Backup link via 3G/4G LTE wireless or other WAN
- Active/active—L3 mode⁵
- Active/passive—L3 mode⁵
- Configuration synchronization⁵
- Session synchronization for firewall and VPN⁵
- Session failover for routing change⁵
- Device failure detection⁵
- Link failure detection⁵
- IP Monitoring with route and interface failover

IPv6

- OSPFv3
- RIPng
- IPv6 Multicast Listener Discovery (MLD)
- BGP
- ISIS

Wireless

- CX111 Cellular 3G/4G/LTE Broadband Data Bridge supported on all branch SRX Series devices
- 3G USB modem support for SRX100, SRX110, and SRX210

SLA, Measurement, and Monitoring

- Real-time performance monitoring (RPM)
- Sessions, packets, and bandwidth usage
- Juniper J-Flow monitoring and accounting services
- IP Monitoring

Logging

- Syslog
- Traceroute
- Extensive control- and data-plane structured and unstructured syslog

Administration

- Juniper Networks Network and Security Manager support (NSM)
- Juniper Networks Junos Space Security Director support
- Juniper Networks STRM Series Security Threat Response Managers support
- Juniper Networks Advanced Insight Solutions support
- External administrator database (RADIUS, LDAP, SecureID)
- Auto-configuration
- Configuration rollback
- Rescue configuration with button
- Commit confirm for changes
- Auto-record for diagnostics
- Software upgrades (USB upgrade option)
- Juniper Networks J-Web
- Command-line interface
- Smart image download

Certifications

- NEBS Compliance for SRX240, SRX650⁶
- Department of Defense (DoD) Certification for SRX Series Services Gateways, including testing and certification by the Department of Defense Joint Interoperability Test Command (JITC) for interoperability with DoD networks and addition of the SRX Series Services Gateways to the Unified Capabilities Approved Product List (UC APL)

⁴ Unified Threat Management – antivirus, antispam, Web filtering, AppSecure and IPS require individual subscription license. UTM is not supported on the low memory version. Please see the ordering section for options.

⁵ SRX100B installed with 1 GB DRAM, with 512 MB accessible. Optional upgrade to 1 GB DRAM is available with purchase of memory software license key.

⁶ Coming soon for SRX110 and SRX550.

Product Comparison

| | SRX100 | SRX110 | SRX210 | SRX220 | SRX240 | SRX550 | SRX650 |
|--|----------------------|---|---|---|--|--|--|
| Maximum Performance and Capacity | | | | | | | |
| Junos OS version tested | Junos OS 12.1X44-D15 | Junos OS 12.1X44-D15 | Junos OS 12.1X44-D15 | Junos OS 12.1X44-D15 | Junos OS 11.4R5 | Junos OS 12.1/15.1 ⁷ | Junos OS 11.4R5 |
| Firewall performance (large packets) | 700 Mbps | 700 Mbps | 850 Mbps | 950 Mbps | 1.8 Gbps | 7 Gbps | 7 Gbps |
| Firewall performance (IMIX) | 200 Mbps | 200 Mbps | 250 Mbps | 300 Mbps | 600 Mbps | 2 Gbps | 2.5 Gbps |
| Firewall + routing PPS (64 Byte) | 70 Kpps | 70 Kpps | 95 Kpps | 125 Kpps | 200 Kpps | 700 Kpps | 850 Kpps |
| Firewall performance ⁸ (HTTP) | 100 Mbps | 100 Mbps | 290 Mbps | 350 Mbps | 830 Mbps | 2 Gbps | 2 Gbps |
| IPsec VPN throughput (large packets) | 65 Mbps | 65 Mbps | 85 Mbps | 100 Mbps | 300 Mbps | 1.0 Gbps | 1.5 Gbps |
| IPsec VPN tunnels | 128 | 128 | 256 | 512 | 1,000 | 2,000 | 3,000 |
| AppSecure firewall throughput ⁸ | 90 Mbps | 90 Mbps | 250 Mbps | 300 Mbps | 750 Mbps | 2.0 Gbps | 1.9 Gbps |
| IPS (intrusion prevention system) | 75 Mbps ⁹ | 75 Mbps | 65 Mbps | 80 Mbps | 230 Mbps | 800 Mbps | 1 Gbps |
| Antivirus | 25 Mbps (Sophos AV) | 25 Mbps (Sophos AV) | 30 Mbps (Sophos AV) | 35 Mbps (Sophos AV) | 85 Mbps (Sophos AV) | 300 Mbps (Sophos AV) | 350 Mbps (Sophos AV) |
| Connections per second | 1,800 | 1,800 | 2,200 | 2,800 | 8,500 | 27,000 | 35,000 |
| Maximum concurrent sessions | 32 K ⁷ | 32 K ⁷ | 64 K ⁷ | 96 K ⁷ | 256 K ⁷ | 375 K | 512 K |
| DRAM options | 2 GB DRAM | 2 GB DRAM | 2 GB DRAM | 2 GB DRAM | 2 GB DRAM | 2 GB/4 GB ⁷ DRAM | 2 GB DRAM |
| Maximum security policies | 384 | 384 | 512 | 2,048 | 4,096 | 8,000 | 8,192 |
| Maximum users supported | Unrestricted | Unrestricted | Unrestricted | Unrestricted | Unrestricted | Unrestricted | Unrestricted |
| Network Connectivity | | | | | | | |
| Fixed I/O | 8 x 10/100 | 8 x 10/100 VDSL/ ADSL2+ WAN (Annex A or B) | 2 x 10/100/1000 BASE-T + 6 x 10/100 | 8 x 10/100/1000 BASE-T | 16 x 10/100/1000 BASE-T | 6 x 10/100/1000 BASE-T + 4 SFP | 4 x 10/100/1000 BASE-T |
| I/O slots | N/A | N/A | 1 x SRX Series Mini-PIM | 2 x SRX Series Mini-PIM | 4 x SRX Series Mini-PIM | 2 x SRX Series Mini-PIM, 6 x GPIM or multiple GPIM and XPIM combinations | 8 x GPIM or multiple GPIM and XPIM combinations |
| Services and Routing Engine slots | No | No | No | No | No | No | 2 ¹⁰ |
| WAN/LAN interface options | N/A | N/A | See ordering information | See ordering information | See ordering information | See ordering information | See ordering information |
| Maximum number of PoE ports (PoE optional on some SRX Series models) | N/A | N/A | Up to 4 ports of 802.3af/ with maximum 50 W | Up to 8 ports of 802.3af/ at with maximum 120 W | Up to 16 ports of 802.3af/ at with maximum 150 W | Up to 40 ports of 802.3af/ at with maximum 247 W | Up to 48 ports of 802.3af/ at with maximum 247 W |
| USB | 1 | 2 | 2 | 2 | 2 | 2 | 2 per SRE |

⁷ Based on 2 GbE memory models, which require Junos OS 12.1X44-D15 (exception: Junos OS 11.4r5 for SRX240 only).

⁸ Throughput numbers based on HTTP traffic with 44 kilobyte transaction size.

⁹ Use software based IPS engine which has higher performance and less capacity

¹⁰ SRX650 supports a single Services and Routing Engine (SRE) as of software release 11.4.

| | SRX100 | SRX110 | SRX210 | SRX220 | SRX240 | SRX550 | SRX650 |
|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Routing | | | | | | | |
| Routing (Packet Mode) PPS | 100Kpps | 100Kpps | 150Kpps | 200Kpps | 300Kpps | 1000Kpps | 1000Kpps |
| BGP instances | 5 | 5 | 10 | 16 | 20 | 56 | 64 |
| BGP peers | 8 | 8 | 16 | 16 | 32 | 192 | 256 |
| BGP routes | 8 K | 8 K | 16 K | 32 K | 600 K | 712 K | 800 K |
| OSPF instances | 4 | 4 | 10 | 16 | 20 | 56 | 64 |
| OSPF routes | 8 K | 8 K | 16 K | 32 K | 200 K | 200 K | 200 K |
| RIP v1 / v2 instances | 4 | 4 | 10 | 16 | 20 | 56 | 64 |
| RIP v2 routes | 8 K | 8 K | 16 K | 32 K | 32 K | 32 K | 32 K |
| Static routes | 8 K | 8 K | 16 K | 32 K | 100 K | 100 K | 100 K |
| Source-based routing | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Policy-based routing | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Equal-cost multipath (ECMP) | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Reverse path forwarding (RPF) | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| IPsec VPN | | | | | | | |
| Concurrent VPN tunnels | 128 | 128 | 256 | 512 | 1,000 | 2,000 | 3,000 |
| Tunnel interfaces | 10 | 10 | 64 | 64 | 128 | 456 | 512 |
| DES (56-bit), 3DES (168-bit) and AES (256-bit) | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| MD-5, SHA-1 and SHA-2 authentication | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Manual key, Internet Key Exchange (IKE v1+v2), public key infrastructure (PKI) (X.509) | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Perfect forward secrecy (DH Groups) | 1, 2, 5 | 1, 2, 5 | 1, 2, 5 | 1, 2, 5 | 1, 2, 5 | 1, 2, 5 | 1, 2, 5 |
| Prevent replay attack | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dynamic remote access VPN | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| IPsec NAT traversal | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Redundant VPN gateways | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Number of remote access users | 25 users | 25 users | 50 users | 150 users | 250 users | 500 users | 500 users |
| User Authentication and Access Control | | | | | | | |
| Third-party user authentication | RADIUS, RSA SecureID, LDAP | RADIUS, RSA SecureID, LDAP | RADIUS, RSA SecureID, LDAP | RADIUS, RSA SecureID, LDAP | RADIUS, RSA SecureID, LDAP | RADIUS, RSA SecureID, LDAP | RADIUS, RSA SecureID, LDAP |
| RADIUS accounting | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| XAUTH VPN, Web-based, 802.X authentication | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| PKI certificate requests (PKCS 7 and PKCS 10) | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Certificate Authorities supported | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Virtualization | | | | | | | |
| Maximum number of security zones | 10 | 10 | 12 | 24 | 64 | 96 | 128 |
| Maximum number of virtual routers | 3 | 3 | 10 | 15 | 64 | 128 | 128 |
| Maximum number of VLANs | 16 | 16 | 64 | 128 | 2,000 | 3,967 | 3,967 |

| | SRX100 | SRX110 | SRX210 | SRX220 | SRX240 | SRX550 | SRX650 |
|--------------------------------------|---|---|---|---|---|--|---|
| Encapsulations | | | | | | | |
| PPP/MLPPP | N/A | N/A | Yes | Yes | Yes | Yes | Yes |
| PPPoE | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| PPPoA | N/A | Yes | Yes | Yes | Yes | Yes | Yes |
| MLPPP maximum physical interfaces | N/A | N/A | 1 | 2 | 4 | 12 | 12 |
| Frame Relay | N/A | N/A | Yes | Yes | Yes | Yes | Yes |
| MLFR (FRF .15, FRF .16) | N/A | N/A | Yes | Yes | Yes | Yes | Yes |
| MLFR maximum physical interfaces | N/A | N/A | 1 | 2 | 4 | 12 | 12 |
| HDLC | N/A | N/A | Yes | Yes | Yes | Yes | Yes |
| Wireless | | | | | | | |
| CX111 3G /4G LTE Bridge support | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Junos/SRX Series management of CX111 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Flash and Memory | | | | | | | |
| Memory (DRAM) | 2 GB (SRX100H2) | 2 GB (SRX110H2) | 2 GB (SRX210HE2) | 2 GB (SRX220H2) | 2 GB (SRX240H2) | 2 GB/4 GB ¹¹ | 2 GB (SRX650) |
| Memory slots | Fixed memory | Fixed memory | Fixed memory | Fixed memory | Fixed memory | 2 DIMM | 4 DIMM |
| Flash memory | 2 GB | 2 GB CF, externally accessible | 2 GB | 2 GB CF, externally accessible | 2 GB | 2 GB/8 GB ¹¹ CF internal | 2 GB CF internal on SRE, external slot empty, up to 2 GB CF supported |
| USB port for external storage | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Dimensions and Power | | | | | | | |
| Dimensions (W x H x D) | 8.5 x 1.4 x 5.8 in (21.6 x 3.6 x 14.7 cm) | 11.02 x 1.72 x 8.385 in (28 x 4.37 x 21.3 cm) | 11.02 x 1.73 x 7.12 in (28.0 x 4.4 x 18.1 cm) | 14.31 x 1.73 x 7.11 in (36.3 x 4.4 x 18.1 cm) | 17.5 x 1.75 x 15.1 in (44.4 x 4.4 x 38.5 cm) | 17.5 x 3.5 x 18.2 in (44.4 x 8.8 x 46.2 cm) | 17.5 x 3.5 x 18.2 in (44.4 x 8.8 x 46.2 cm) |
| Weight (device and power supply) | 2.5 lb (1.1 kg) | 6.7 lb (3.06 kg) | 3.3 lb (1.5 kg) non-PoE / 4.4 lb (2 kg) PoE No interface modules | 3.43 lb (1.56 kg) non-PoE No interface modules | For LM and HM-AC: 11.2 lb (5.1 kg) For HM - DC: 12.56 lb (5.7 kg) / 12.3 lb (5.6 kg) PoE No interface modules | 21.96 lb (9.96 kg) No interface modules 1 power supply | 24.9 lb (11.3 kg) No interface modules 1 power supply |
| Rack-mountable | Yes, 1 RU | Yes, 1 RU | Yes, 1 RU | Yes, 1 RU | Yes, 1 RU | Yes, 2 RU | Yes, 2 RU |
| Power supply (AC) | 100–240 VAC, 30 W | 100–240 VAC, 60 W | 100–240 VAC, 60 W non-PoE / 150 W PoE | 100–240 VAC, 60 W non-PoE / 200 W PoE | 150 W for LM and HM 190 W for HM with DC 360 W for PoE | 100–240 VAC, single 645 W or dual 645 W | 100–240 VAC, single 645 W or dual 645 W |
| Maximum PoE power | N/A | N/A | 50 W | 120 W | 150 W | 247 W redundant, or 494 W non-redundant | 247 W redundant, or 494 W non-redundant |

¹¹ 7: 4 GB DRAM and 8 GB CF is default on the SRX550 High Memory SKUs

| | SRX100 | SRX110 | SRX210 | SRX220 | SRX240 | SRX550 | SRX650 |
|---|---------------------|---------------------|--|--------------------------------|---|---|--|
| Average power consumption | 10 W | 24 W | 28 W, 84 W (PoE) | 28 W | SRX240H2 - 74 W SRX240H2- DC - 72 W SRX240H2- PoE- 86 W | 85 W | 122 W |
| Input frequency | 50-60 Hz | 50-60 Hz | 50-60 Hz | 50-60 Hz | 50-60 Hz | 50-60 Hz | 50-60 Hz |
| Maximum current consumption | 0.25 A @ 100 VAC | 1.75 A @ 100 VAC | 0.44 A @ 100 VAC, 1.13 A @ 100 VAC (PoE) | 0.44 A @ 100 VAC | 1.1 A @ 100 VAC, 3.0 A @ 100 VAC (PoE) | 7.5 A @ 100 VAC with single PSU with PoE, 10.5 A @ 100 VAC with dual PSU with PoE | 5.3 A @ 100 VAC with single PSU with PoE, 8.3 A @ 100 VAC with dual PSU with PoE |
| Maximum inrush current | 60 A | 70 A | 80 A, 60 A for PoE | 80 A | 40 A, 45 A for PoE | 45 A for ½ cycle | 45 A for ½ cycle |
| Average heat dissipation | 35 BTU/hr | 81 BTU/hr | 95 BTU/hr (SRX210HE2) 116 BTU/hr (SRX210HE2- PoE) | 104 BTU/ hour (SRX220H2) | 253 BTU/hr (SRX240H2) 246 BTU/hr (SRX240H2- DC) 294 BTU/hr (SRX40H2- PoE) | 238 BTU/hr | 319 BTU/hr |
| Maximum heat dissipation | 80 BTU/hr | 99 BTU/hr | 126 BTU/hr (SRX210HE2) 157 BTU/hr (SRX210HE2- PoE) | 126 BTU/hour (SRX220H2) | 427 BTU/hr (SRX240H2) 409 BTU/hr (SRX240H2- DC) 560 BTU/hr (SRX240H2- PoE) | 1,449 BTU/hr | 699 BTU/hr |
| Redundant power supply (hot swappable) | No | No | No | No | No | Yes (up to maximum capacity of single PSU) | Yes (up to maximum capacity of single PSU) |
| Acoustic noise level (Per ISO 7779 Standard) | 0 dB (fanless) | 0 dB (fanless) | 29.1 dB | 51.1 dB | 70.0 dB | 51.8 dB | 60.9 dB |

Environment

| | | | | | | | |
|---|-------------------------------------|-------------------------------------|--|--|---|---|---|
| Operational temperature | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) |
| 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) | -40° to 158° F, (-40° to 70° C) | 4° to 158° F, (-20° to 70° C) | 4° to 158° F, (-20° to 70° C) |
| Humidity (operating) | 10% to 90% noncondensing | | | | | | |
| Humidity (nonoperating) | 5% to 95% noncondensing | | | | | | |
| Mean time between failures (Telcordia model) | 24.8 years | 24.8 years | 14.03 years (SRX210HE2) 10.26 years (SRX210HE2- PoE) | 13.46 years (SRX220H2) 11.06 years (SRX220H2- PoE) | 11.63 years (SRX240H2) 9.92 years (SRX240H2- PoE) | 9.6 years with redundant power | 9.6 years with redundant power |

| | SRX100 | SRX110 | SRX210 | SRX220 | SRX240 | SRX550 | SRX650 |
|--|--|---|---|---|---|------------------------------|------------------------------|
| Certifications and Network Homologation | | | | | | | |
| USA | | | | | | | |
| Safety certifications | UL 60950-1 | UL 60950-1 | UL 60950-1 | UL 60950-1 | UL 60950-1 | UL 60950-1 | UL 60950-1 |
| EMC certifications | FCC Class B | FCC Class B | FCC Class B ¹ | FCC Class A | FCC Class A | FCC Class A | FCC Class A |
| Network homologation | TIA-968 | TIA-968 | TIA-968 | TIA-968 | TIA-968 | TIA-966 | TIA-966 |
| Canada | | | | | | | |
| Safety certifications | CSA 60950-1 | CSA 60950-1 | CSA 60950-1 | CSA 60950-1 | CSA 60950-1 | CSA 60950-1 | CSA 60950-1 |
| EMC certifications | ICES class B | ICES class B | ICES class B ¹ | ICES Class A | ICES class A | ICES class A | ICES class A |
| Network homologation | CS-03 | CS-03 | CS-03 | CS-03 | CS-03 | CS-03 | CS-03 |
| Australia | | | | | | | |
| Safety certifications | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 |
| EMC certifications | AS / NZS CISPR22 Class B | AS / NZS CISPR22 Class B | AS / NZS CISPR22 Class B ¹ | AS / NZS CISPR22 Class A | AS / NZS CISPR22 Class A | AS / NZS CISPR22 Class A | AS / NZS CISPR22 Class A |
| Network homologation | AS / ACIF S 002, S 016, S 043.1, S043.2 | AS / ACIF S 002, S 016, S 043.1, S043.2 | AS / ACIF S 002, S 016, S 043.1, S043.2 | AS / ACIF S 002, S 016, S 043.1, S043.2 | AS / ACIF S 002, S 016, S 043.1, S043.2 | AS / ACIF S 016 | AS / ACIF S 016 |
| New Zealand | | | | | | | |
| Safety certifications | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 | AS / NZS 60950-1 |
| EMC certifications | AS / NZS CISPR22 Class B | AS / NZS CISPR22 Class B | AS / NZS CISPR22 Class B ¹ | AS / NZS CISPR22 Class A | AS / NZS CISPR22 Class A | AS / NZS CISPR22 Class A | AS / NZS CISPR22 Class A |
| Network homologation | PTC 217, PTC 273 | PTC 217, PTC 273 | PTC 217, PTC 273 | PTC 217, PTC 273 | PTC 217, PTC 273 | PTC 217 | PTC 217 |
| Japan | | | | | | | |
| Safety certifications | Comply safety certifications (UL/CUL/CSA) by CB Scheme | | | | | | |
| EMC certifications | VCCI Class B | VCCI Class B | VCCI Class B ¹ | VCCI Class A | VCCI Class A | VCCI Class A | VCCI Class A |
| European Union | | | | | | | |
| Safety certifications | EN 60950-1 | EN 60950-1 | EN 60950-1 | EN 60950-1 | EN 60950-1 | EN 60950-1 | EN 60950-1 |
| EMC certifications | EN 55022 Class B, EN 300 386 | EN 55022 Class B, EN 300 386 | EN 55022 Class B ¹² , EN 300 386 | EN 55022 Class A, EN 300 386 | EN 55022 Class A, EN 300 386 | EN 55022 Class A, EN 300 386 | EN 55022 Class A, EN 300 386 |
| Network homologation | CTR 12/13, CTR 21, DoC | CTR 12/13, CTR 21, DoC | CTR 12/13, CTR 21, DoC | CTR 12/13, CTR 21, DoC | CTR 12/13, CTR 21, DoC | CTR 12/13, DoC | CTR 12/13, DoC |
| Software Certifications | | | | | | | |
| NIST FIPS-140-2 Level 2 | Yes | Yes | Yes | Yes | Yes | In Progress | Yes |
| ISO Common Criteria NDPP+TFFW EP | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| USGv6 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

¹²SRX210H-POE is class A.

*There are several models available for the SRX210 and SRX240 including the enhanced version. Please contact your Juniper or partner account representative for more information.

Interface Modules Compatibility Matrix

| Component | Description | SRX100 | SRX110 | SRX210 | SRX220 | SRX240 | SRX550 | SRX650 |
|-------------------|--|--------|--------|--------|--------|--------|-----------------|--------|
| SRX-GP-16GE | 16-port 10/100/1000BASE-T XPIM | X | X | X | X | X | ✓ ¹³ | ✓ |
| SRX-GP-16GE-POE | 16-port 10/100/1000BASE-T PoE XPIM | X | X | X | X | X | ✓ | ✓ |
| SRX-GP-24GE | 24-port 10/100/1000BASE-T XPIM, includes 4 SFP slots | X | X | X | X | X | ✓ ¹³ | ✓ |
| SRX-GP-24GE-POE | 24-port 10/100/1000BASE-T PoE XPIM, includes 4 SFP slots | X | X | X | X | X | ✓ ¹³ | ✓ |
| SRX-GP-8SFP | 8-port GbE copper, fiber SFP XPIM | X | X | X | X | X | ✓ | ✓ |
| SRX-GP-DUAL-T1-E1 | Dual T1/E1 GPIM | X | X | X | X | X | ✓ | ✓ |
| SRX-GP-QUAD-T1-E1 | Quad T1/E1 GPIM | X | X | X | X | X | ✓ | ✓ |
| SRX-GP-IDS3-E3 | 1-port clear channel DS3/ E3 GPIM single GPIM slot | X | X | X | X | X | ✓ | ✓ |
| SRX-GP-8SERIAL | Eight-port Sync Serial GPIM | X | X | X | X | X | ✓ ¹³ | ✓ |
| SRX-MP-1SERIAL | 1-port Sync Serial Mini-PIM | X | X | ✓ | ✓ | ✓ | ✓ ¹³ | X |
| SRX-MP-1ADSL2-A | 1-port ADSL2+ Mini-PIM supporting ADSL/ADSL2/ ADSL2+ Annex A | X | X | ✓ | ✓ | ✓ | ✓ ¹³ | X |
| SRX-MP-1ADSL2-B | 1-port ADSL2+ Mini-PIM supporting ADSL/ADSL2/ ADSL2+ Annex B | X | X | ✓ | ✓ | ✓ | ✓ ¹³ | X |
| SRX-MP-1VDSL2-A | 1-port VDSL2 Mini-PIM supporting Annex A, with fallback to ADSL2/ ADSL2+ | X | X | ✓ | ✓ | ✓ | ✓ ¹³ | X |
| SRX-MP-8GSHDSL | 8-wire (4-pair) G.SHDSL Mini-PIM | X | X | ✓ | ✓ | ✓ | ✓ ¹³ | X |
| SRX-MP-1SFP-GE | 1-port SFP Mini-PIM | X | X | ✓ | ✓ | ✓ | ✓ ¹³ | X |
| SRX-MP-1T1E1 | 1-port T1 or E1 Mini-PIM | X | X | ✓ | ✓ | ✓ | ✓ ¹³ | X |
| SRX-MP-1T1E1-R | 1-port T1 or E1 Mini-PIM (ROHS version) | X | X | X | X | X | ✓ ¹⁴ | X |
| SRX-MP-1VDSL2-R | 1-port VDSL2 Mini-PIM supporting Annex A, with fallback to ADSL2/ ADSL2+ (ROHS version) | X | X | X | X | X | ✓ ¹⁴ | X |
| SRX-MP-1SERIAL-R | 1-port Sync Serial Mini- PIM (ROHS version) | X | X | X | X | X | ✓ ¹⁴ | X |

¹³Not supported on the SRX550 High Memory

¹⁴Only supported on the SRX550 High Memory

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 www.juniper.net/us/en/products-services.

Automated Support and Prevention

Juniper's Automated Support and Prevention consists of an ecosystem of tools, applications, and systems targeted towards simplifying and streamlining operations, delivering operational efficiency, reducing downtime, and increasing your network's ROI running Juniper Networks Junos operating system. Automated Support and Prevention brings operational efficiency by automating several time-consuming tasks such as incident management, inventory management, proactive bug notification and on-demand EOL/EOS/EOE reports. The Junos Space Service Now and Service Insight service automation tools are standard entitlements of all Juniper Care contracts.

Ordering Information

| Model Number | Description |
|---------------------------|--|
| SRX650 Base System | |
| SRX650-BASE-SRE6-645AP | SRX650 Services Gateway with SRE 6, 645 W AC PoE PSU; includes 4 onboard 10/100/1000BASE-T ports, 2 GB DRAM, 2 GB CF, 247 W PoE power, fan tray, power cord and rack-mount kit |
| SRX650-BASE-SRE6-645DP | SRX650 Services Gateway with SRE 6, 645 W DC PoE PSU; includes 4 onboard 10/100/1000BASE-T ports, 2 GB DRAM, 2 GB CF, 247 W PoE power, fan tray, power cord and rack-mount kit |
| SRX650B-SRE6-645AP-TAA | Trade Agreement Act-compliant SRX650 Services Gateway with SRE 6, 645 W AC PoE PSU; includes 4 onboard 10/100/1000BASE-T ports, 2 GB DRAM, 2 GB CF, 247 W PoE power, fan tray, power cord and rack-mount kit |

SRX650 Power Supplies and Accessories

| | |
|----------------------|---|
| SRX600-PWR-645AC-POE | Spare 645 W AC PoE power supply unit for SRX650, SRX550 systems—one is included in SRX650, SRX550 base system (SRX650-BASE-SRE6-645AP, SRX550-645AP) |
| SRX600-PWR-645DC-POE | 645 W DC source power supply for SRX550 and SRX650; provides 397 W system power @ 12 V and 248 W PoE power @ 50 VDC; works with 43-56 VDC input—no power cord |
| SRX600-SRE6H | Spare SRE6-H for SRX650—one is included in SRX650 base system (SRX650-BASE-SRE6-645AP) |
| SRX650-CHAS | SRX650 chassis including fan tray—no system processor (SRE) and no power supply unit |
| SRX650-FAN-01 | Spare SRX650 fan tray, one is included in SRX650 chassis spare (SRX650-CHAS), and included in SRX650 base system (SRX650-BASE-SRE6-645AP) |
| SRX650-FILT-01 | Not included in SRX650 chassis spare (SRX650-CHAS), and not included in SRX650 base system (SRX650-BASE-SRE6-645AP)—optional, as this is not required for normal operations, but recommended for dusty environments |

SRX650 Additional Software Feature Licenses

| | |
|------------------|--|
| SRX650-K-AV | One year subscription for Juniper-Kaspersky antivirus updates on SRX650 |
| SRX650-S-AV | One year subscription for Juniper-Sophos antivirus updates on SRX650 |
| SRX650-IDP | One year subscription for IDP updates on SRX650 |
| SRX650-S2-AS | One year subscription for Juniper-Sophos antispam updates on SRX650 |
| SRX650-W-WF | One year subscription for Juniper-Websense Web filtering updates on SRX650 |
| SRX650-SMB4-CS | One year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX650 |
| SRX650-S-SMB4-CS | One year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX650 |
| SRX650-K-AV-3 | Three year subscription for Juniper-Kaspersky AV updates on SRX650 |

| Model Number | Description |
|--------------------|--|
| SRX650-S-AV-3 | Three year subscription for Juniper-Sophos AV updates on SRX650 |
| SRX650-IDP-3 | Three year subscription for IDP updates on SRX650 |
| SRX650-S2-AS-3 | Three year subscription for Juniper-Sophos antispam updates on SRX650 |
| SRX650-W-WF-3 | Three year subscription for Juniper-Websense Web filtering updates on SRX650 |
| SRX650-SMB4-CS-3 | Three year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX650 |
| SRX650-S-SMB4-CS-3 | Three year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX650 |
| SRX-BGP-ADV-LTU | Advanced BGP License for SRX650 only |
| SRX650-K-AV-5 | Five year subscription for Juniper-Kaspersky AV updates on SRX650 |
| SRX650-S-AV-5 | Five year subscription for Juniper-Sophos AV updates on SRX650 |
| SRX650-IDP-5 | Five year license for IDP updates for SRX650 |
| SRX650-W-WF-5 | Five year subscription for Juniper-Websense Web filtering updates on SRX650 |
| SRX650-SMB4-CS-5 | Five year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX650 |
| SRX650-S-SMB4-CS-5 | Five year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX650 |
| SRX-RAC-5-LTU | Dynamic VPN Client: 5 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-10-LTU | Dynamic VPN Client: 10 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-25-LTU | Dynamic VPN Client: 25 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-50-LTU | Dynamic VPN Client: 50 simultaneous users for SRX210, SRX220, SRX240, SRX550, and SRX650 only |
| SRX-RAC-100-LTU | Dynamic VPN Client: 100 simultaneous users for SRX220, SRX240, SRX550, and SRX650 only |
| SRX-RAC-150-LTU | Dynamic VPN Client: 150 simultaneous users for SRX220, SRX240, SRX550, and SRX650 only |
| SRX-RAC-250-LTU | Dynamic VPN Client: 250 simultaneous users for SRX240, SRX550, and SRX650 only |
| SRX-RAC-500-LTU | Dynamic VPN Client: 500 simultaneous users for SRX550 and SRX650 only |
| SRX650-APPSEC-A-1 | One year subscription for Application Security and IPS updates for SRX650 |
| SRX650-APPSEC-A-3 | Three year subscription for Application Security and IPS updates for SRX650 |
| SRX650-APPSEC-A-5 | Five year subscription for Application Security and IPS updates for SRX650 |

| Model Number | Description |
|---------------------------|--|
| SRX550 Base System | |
| SRX550-645AP-M | SRX550 Services Gateway with 4 GB DRAM and 8 GB CF, 2 RU height, 6 GPIM slots, 2 Mini-PIM slots, 6 10/100/1000BASE-T ports, 4GbE SFP ports, dual PS slots, fans; ships with one 645 watt AC power supply with 247 W PoE power (power cord and rack-mount kit included) |
| SRX550-645DP-M | SRX550 Services Gateway with 4 GB DRAM and 8 GB CF, 2 RU height, 6 GPIM slots, 2 Mini-PIM slots, 6 10/100/1000BASE-T ports, 4GbE SFP ports, dual PS slots, fans; ships with one 645 watt DC power supply with 247 W PoE power (no power cord or rack-mount kit included) |
| SRX550-645AP | SRX550 Services Gateway, 2 RU height, 6 GPIM slots, 2 Mini-PIM slots, 6 10/100/1000BASE-T ports, 4GbE SFP ports, dual PS slots, fans; ships with one 645 watt AC power supply with 247 W PoE power (power cord and rack-mount kit included) |
| SRX550-645DP | SRX550 Services Gateway, 2 RU height, 6 GPIM slots, 2 Mini-PIM slots, 6 10/100/1000BASE-T ports, 4GbE SFP ports, dual PS slots, fans; ships with one 645 watt DC power supply with 247 W PoE power (no power cord and rack-mount kit included) |

SRX550 Power Supplies and Accessories

| | |
|----------------------|---|
| SRX600-PWR-645AC-POE | Spare 645 W AC PoE power supply unit for SRX550 and SRX650 systems—one is included in SRX550 and SRX650 base systems (SRX650-BASE-SRE6-645AP, SRX550-645AC) |
| SRX600-PWR-645DC-POE | 645 W DC source power supply for SRX550, SRX650 provides 397 W system power @ 12 V and 248 W PoE power @ 50 VDC; works with 43-56 VDC input—no power cord |
| SRX550-CHAS | SRX550 Services Gateway, 2 RU height, 6 GPIM slots, 2 Mini-PIM slots, 6 10/100/1000BASE-T ports, 4 GbE SFP ports, dual PS slots, fans (power supply not included) |
| SRX550-FILT-01 | Not included in SRX550 systems, optional, as this is not required for normal operations, but recommended for dusty environments |

SRX550 Additional Software Feature Licenses

| | |
|------------------|--|
| SRX550-K-AV | One year subscription for Juniper-Kaspersky antivirus updates on SRX550 |
| SRX550-S-AV | One year subscription for Juniper-Sophos antivirus updates on SRX550 |
| SRX550-IDP | One year subscription for IDP updates on SRX550 |
| SRX550-S2-AS | One year subscription for Juniper-Sophos antispam updates on SRX550 |
| SRX550-W-WF | One year subscription for Juniper-WebSense Web filtering updates on SRX550 |
| SRX550-SMB4-CS | One year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX550 |
| SRX550-S-SMB4-CS | One year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX550 |
| SRX550-K-AV-3 | Three year subscription for Juniper-Kaspersky AV updates on SRX550 |
| SRX550-S-AV-3 | Three year subscription for Juniper-Sophos AV updates on SRX550 |
| SRX550-IDP-3 | Three year subscription for IDP updates on SRX550 |

| Model Number | Description |
|--------------------|--|
| SRX550-S2-AS-3 | Three year subscription for Juniper-Sophos antispam updates on SRX550 |
| SRX550-W-WF-3 | Three year subscription for Juniper-WebSense Web filtering updates on SRX550 |
| SRX550-SMB4-CS-3 | Three year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX550 |
| SRX550-S-SMB4-CS-3 | Three year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX550 |
| SRX550-K-AV-5 | Five year subscription for Juniper-Kaspersky AV updates on SRX550 |
| SRX550-S-AV-5 | Five year subscription for Juniper-Sophos AV updates on SRX550 |
| SRX550-IDP-5 | Five year license for IDP updates for SRX550 |
| SRX550-W-WF-5 | Five year subscription for Juniper-WebSense Web filtering updates on SRX550 |
| SRX550-SMB4-CS-5 | Five year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX550 |
| SRX550-S-SMB4-CS-5 | Five year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX550 |
| SRX-RAC-5-LTU | Dynamic VPN Client: 5 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-10-LTU | Dynamic VPN Client: 10 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-25-LTU | Dynamic VPN Client: 25 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-50-LTU | Dynamic VPN Client: 50 simultaneous users for SRX210, SRX220, SRX240, SRX550, and SRX650 only |
| SRX-RAC-100-LTU | Dynamic VPN Client: 100 simultaneous users for SRX220, SRX240, SRX550, and SRX650 only |
| SRX-RAC-150-LTU | Dynamic VPN Client: 150 simultaneous users for SRX220, SRX240, SRX550, and SRX650 only |
| SRX-RAC-250-LTU | Dynamic VPN Client: 250 simultaneous users for SRX240, SRX550, and SRX650 only |
| SRX-RAC-500-LTU | Dynamic VPN Client: 500 simultaneous users for SRX550 and SRX650 only |
| SRX550-APPSEC-A-1 | One year subscription for Application Security and IPS updates for SRX550 |
| SRX550-APPSEC-A-3 | Three year subscription for Application Security and IPS updates for SRX550 |
| SRX550-APPSEC-A-5 | Five year subscription for Application Security and IPS updates for SRX550 |

SRX240 Base System

| | |
|--------------|---|
| SRX240H2 | SRX240 Services Gateway with 16 x GbE ports, 4x mini-PIM slots, and high memory (2 GB DRAM, 2 GB Flash); integrated power supply with power cord, and 19" rack mount kit included |
| SRX240H2-POE | SRX240 Services Gateway with 16 x GbE ports, 4x mini-PIM slots, and high memory (2 GB RAM, 2 GB Flash), with 16 ports PoE (150 W); integrated power supply with power cord, and 19" rack mount kit included |

| Model Number | Description |
|-----------------|---|
| SRX240H2-DC | SRX240 Services Gateway with 16 x GbE ports, 4x mini-PIM slots, and high memory (2 GB RAM, 2 GB Flash); integrated -48 V DC power supply with 19" rack mount kit included |
| SRX240-RMK | SRX240 rack-mount kit for 19 in rack (holds one unit) |
| SRX240H-TAA | Trade Agreement Act-compliant SRX240 Services Gateway with 16 GbE ports, 4 Mini-PIM slots, and high memory (1 GB RAM, 1 GB Flash) |
| SRX240H-POE-TAA | Trade Agreement Act-compliant SRX240 Services Gateway with 16 GbE ports, 4 Mini-PIM slots, and high memory (1 GB RAM, 1 GB Flash), with 16 ports PoE (150 W) |

SRX240 Additional Software Feature Licenses

| | |
|--------------------|--|
| SRX240-K-AV | One year subscription for Juniper-Kaspersky antivirus updates on SRX240 |
| SRX240-S-AV | One year subscription for Juniper-Sophos antivirus updates on SRX240 |
| SRX240-IDP | One year subscription for IDP updates on SRX240 |
| SRX240-S2-AS | One year subscription for Juniper-Sophos antispam updates on SRX240 |
| SRX240-W-WF | One year subscription for Juniper-Websense Web filtering updates on SRX240 |
| SRX240-SMB4-CS | One year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX240 |
| SRX240-S-SMB4-CS | One year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX240 |
| SRX240-K-AV-3 | Three year subscription for Juniper-Kaspersky antivirus updates on SRX240 |
| SRX240-S-AV-3 | Three year subscription for Juniper-Sophos antivirus updates on SRX240 |
| SRX240-IDP-3 | Three year subscription for IDP updates on SRX240 |
| SRX240-S2-AS-3 | Three year subscription for Juniper-Sophos antispam updates on SRX240 |
| SRX240-W-WF-3 | Three year subscription for Juniper-Websense Web filtering updates on SRX240 |
| SRX240-SMB4-CS-3 | Three year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX240 |
| SRX240-S-SMB4-CS-3 | Three year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX240 |
| SRX240-K-AV-5 | Five year subscription for Juniper-Kaspersky antivirus updates on SRX240 |
| SRX240-S-AV-5 | Five year subscription for Juniper-Sophos antivirus updates on SRX240 |
| SRX240-IDP-5 | Five year subscription for IDP updates on SRX240 |
| SRX240-S2-AS-5 | Five year subscription for Juniper-Sophos antispam updates on SRX240 |
| SRX240-W-WF-5 | Five year subscription for Juniper-Websense Web filtering updates on SRX240 |

| Model Number | Description |
|--------------------|--|
| SRX240-SMB4-CS-5 | Five year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX240 |
| SRX240-S-SMB4-CS-5 | Five year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX240 |
| SRX240-S2-AS-5 | Five year subscription for Juniper-Sophos antispam updates on SRX240 |
| SRX240-W-WF-5 | Five year subscription for Juniper-Websense Web filtering updates on SRX240 |
| SRX240-SMB2-CS-5 | Five year security subscription for enterprise—includes Kaspersky antivirus, Web filtering, Sophos antispam, and IDP on SRX240 |
| SRX240-S-SMB-CS-5 | Five year security subscription for enterprise—includes Sophos antivirus, Web filtering, Sophos antispam and IPS on SRX240 |
| SRX-RAC-5-LTU | Dynamic VPN Client: 5 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-10-LTU | Dynamic VPN Client: 10 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-25-LTU | Dynamic VPN Client: 25 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-50-LTU | Dynamic VPN Client: 50 simultaneous users for SRX210, SRX22, SRX240, SRX550 and SRX650 only |
| SRX-RAC-100-LTU | Dynamic VPN Client: 100 simultaneous users for SRX220, SRX240, SRX550, and SRX650 only |
| SRX-RAC-150-LTU | Dynamic VPN Client: 150 simultaneous users for SRX220, SRX240, SRX550, and SRX650 only |
| SRX-RAC-250-LTU | Dynamic VPN Client: 250 simultaneous users for SRX240, SRX550, and SRX650 only |
| SRX240-APPSEC-A-1 | One year subscription for Application Security and IPS updates for SRX240 |
| SRX240-APPSEC-A-3 | Three year subscription for Application Security and IPS updates for SRX240 |
| SRX240-APPSEC-A-5 | Five year subscription for Application Security and IPS updates for SRX240 |

SRX220 Base System

| | |
|-----------------|--|
| SRX220H2 | SRX220 Services Gateway with 8 GbE ports, 2 Mini-PIM slots, and high memory (2 GB RAM, 2 GB Flash)—external power supply and cord included |
| SRX220H2-POE | SRX220 Services Gateway with 8 GbE ports, 2 Mini-PIM slots, and high memory (2 GB RAM, 2 GB Flash), with 8 ports PoE (120 W)* |
| SRX220-RMK | SRX220 rack-mount kit for 19 in rack (holds one unit) |
| SRX220-WALL-KIT | SRX220 wall mount kit (holds one unit) |
| SRX220-PWR-60W* | Spare SRX220 switching power supply, 60 W (non-POE) |

*See price list for country-specific power cord model numbers.

| Model Number | Description |
|--|--|
| SRX220 Additional Software Feature Licenses | |
| SRX220-K-AV | One year subscription for Juniper-Kaspersky antivirus updates on SRX220 |
| SRX220-S-AV | One year subscription for Juniper-Sophos antivirus updates on SRX220 |
| SRX220-IDP | One year subscription for IDP updates on SRX220 |
| SRX220-S2-AS | One year subscription for Juniper-Sophos antispam updates on SRX220 |
| SRX220-W-WF | One year subscription for Juniper-WebSense Web filtering updates on SRX220 |
| SRX220-SMB4-CS | One year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX220 |
| SRX220-S-SMB4-CS | One year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX220 |
| SRX220-K-AV-3 | Three year subscription for Juniper-Kaspersky antivirus updates on SRX220 |
| SRX220-S-AV-3 | Three year subscription for Juniper-Sophos antivirus updates on SRX220 |
| SRX220-IDP-3 | Three year subscription for IDP updates on SRX220 |
| SRX220-S2-AS-3 | Three year subscription for Juniper-Sophos antispam updates on SRX220 |
| SRX220-W-WF-3 | Three year subscription for Juniper-WebSense Web filtering updates on SRX220 |
| SRX220-SMB4-CS-3 | Three year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX220 |
| SRX220-S-SMB4-CS-3 | Three year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX220 |
| SRX220-K-AV-5 | Five year subscription for Juniper-Kaspersky antivirus updates on SRX220 |
| SRX220-S-AV-5 | Five year subscription for Juniper-Sophos antivirus updates on SRX220 |
| SRX220-IDP-5 | Five year subscription for IDP updates on SRX220 |
| SRX220-W-WF-5 | Five year subscription for Juniper-WebSense Web filtering updates on SRX220 |
| SRX220-SMB4-CS-5 | Five year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX220 |
| SRX220-S-SMB4-CS-5 | Five year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX220 |
| SRX-RAC-5-LTU | Dynamic VPN Client: 5 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-10-LTU | Dynamic VPN Client: 10 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-25-LTU | Dynamic VPN Client: 25 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-50-LTU | Dynamic VPN Client: 50 simultaneous users for SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-100-LTU | Dynamic VPN Client: 100 simultaneous users for SRX220, SRX240, SRX550, and SRX650 |

| Model Number | Description |
|-------------------|---|
| SRX-RAC-150-LTU | Dynamic VPN Client: 150 simultaneous users for SRX220, SRX240, SRX550, and SRX650 |
| SRX220-APPSEC-A-1 | One year subscription for Application Security and IPS updates for SRX220 |
| SRX220-APPSEC-A-3 | Three year subscription for Application Security and IPS updates for SRX220 |
| SRX220-APPSEC-A-5 | Five year subscription for Application Security and IPS updates for SRX220 |

SRX210 Base System

| | |
|---------------|---|
| SRX210HE2 | SRX210 Services Gateway with 2 GbE+ 6 Fast Ethernet ports, 1 Mini-PIM slot, 1 ExpressCard slot and high memory (2 GB RAM, 2 GB Flash) |
| SRX210HE2-POE | SRX210 Services Gateway with 2 GbE + 6 Fast Ethernet ports, 1 Mini-PIM slot, 1 ExpressCard slot and high memory (2 GB RAM, 2 GB Flash), with 4 ports PoE (50 W) |

SRX210 Additional Hardware

| | |
|-------------------|---|
| SRX210-DESK-STAND | SRX210 desk top stand (holds one unit) |
| SRX210-RMK | SRX210 rack-mount kit for 19 in rack (holds one unit) |
| SRX210-WALL-KIT | SRX210 wall mount kit (holds one unit) |
| SRX210-PWR-60W-* | Spare SRX210 switching power supply, 60 W (non-PoE) |
| SRX210-PWR-150W-* | Spare SRX210 switching power supply, 150 W (PoE) |

SRX210 Additional Software Feature Licenses

| | |
|--------------------|--|
| SRX210-K-AV | One year subscription for Juniper-Kaspersky antivirus updates on SRX210 |
| SRX210-S-AV | One year subscription for Juniper-Sophos antivirus updates on SRX210 |
| SRX210-IDP | One year subscription for IDP updates on SRX210 |
| SRX210-S2-AS | One year subscription for Juniper-Sophos antispam updates on SRX210 |
| SRX210-W-WF | One year subscription for Juniper-WebSense Web filtering updates on SRX210 |
| SRX210-SMB4-CS | One year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX210 |
| SRX210-S-SMB4-CS | One year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX210 |
| SRX210-K-AV-3 | Three year subscription for Juniper-Kaspersky antivirus updates on SRX210 |
| SRX210-S-AV-3 | Three year subscription for Juniper-Sophos antivirus updates on SRX210 |
| SRX210-IDP-3 | Three year subscription for IDP updates on SRX210 |
| SRX210-S2-AS-3 | Three year subscription for Juniper-Sophos antispam updates on SRX210 |
| SRX210-W-WF-3 | Three year subscription for Juniper-WebSense Web filtering updates on SRX210 |
| SRX210-SMB4-CS-3 | Three year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX210 |
| SRX210-S-SMB4-CS-3 | Three year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX210 |

| Model Number | Description |
|--------------------|---|
| SRX210-K-AV-5 | Five year subscription for Juniper-Kaspersky antivirus updates on SRX210 |
| SRX210-S-AV-5 | Five year subscription for Juniper-Sophos antivirus updates on SRX210 |
| SRX210-IDP-5 | Five year subscription for IDP updates on SRX210 |
| SRX210-S2-AS-5 | Five year subscription for Juniper-Sophos antispam updates on SRX210 |
| SRX210-W-WF-5 | Five year subscription for Juniper-Websense Web filtering updates on SRX210 |
| SRX210-SMB4-CS-5 | Five year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX210 |
| SRX210-S-SMB4-CS-5 | Five year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP on SRX210 |
| SRX-RAC-5-LTU | Dynamic VPN Client: 5 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-10-LTU | Dynamic VPN Client: 10 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-25-LTU | Dynamic VPN Client: 25 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-50-LTU | Dynamic VPN Client: 50 simultaneous users for SRX210, SRX220, SRX240, SRX550, and SRX650 only |
| SRX210-APPSEC-A-1 | One year subscription for Application Security and IPS updates for SRX210 |
| SRX210-APPSEC-A-3 | Three year subscription for Application Security and IPS updates for SRX210 |
| SRX210-APPSEC-A-5 | Five year subscription for Application Security and IPS updates for SRX210 |

Small Form Factor Pluggable (SFP) Transceivers

| | |
|----------------|-------------------------------------|
| SRX-SFP-1GE-LH | SFP 1000BASE-LH Optical Transceiver |
| SRX-SFP-1GE-LX | SFP 1000BASE-LX Optical Transceiver |
| SRX-SFP-1GE-SX | SFP 1000BASE-SX Optical Transceiver |
| SRX-SFP-1GE-T | SFP 1000BASE-T Copper Transceiver |
| SRX-SFP-FE-FX | SFP 100BASE-FX Optical Transceiver |
| SRX-MP-1SFP-GE | Single-port SFP Mini-PIM |
| SRX-GP-8SFP | 8-port GbE copper, fiber SFP XPIM |

SRX110 Base System

| | |
|-------------|---|
| SRX110H2-VA | SRX110 Services Gateway with 8xFE ports, 2 GB RAM and Flash, 1-port VDSL2/ADSL2+ over POTS, USB port for cellular modem connectivity, and external PS and cord included |
| SRX110H2-VB | SRX110 Services Gateway with 8xFE ports, 2 GB RAM and Flash, 1-port VDSL2/ADSL2+ over ISDN BRI, USB port for cellular modem connectivity, and external PS and cord included |

| Model Number | Description |
|-----------------------------------|---------------------------------------|
| SRX110 Additional Hardware | |
| SRX110-DESK-STAND | SRX110 desktop stand; holds one unit |
| SRX110-RMK | SRX110 rack-mount kit; holds one unit |
| SRX110-WALL-KIT | SRX110 wall mount kit; holds one unit |

SRX100 Base System

| | |
|----------|--|
| SRX100H2 | SRX100 Services Gateway with 8xFE ports and high memory (2 GB RAM, 2 GB Flash) |
|----------|--|

SRX100 Additional Hardware

| | |
|-------------------|---|
| SRX100-PWR-30W-* | Spare SRX100 switching power supply, 30 W (non-PoE) |
| SRX-100-RMK | SRX100 19" rack-mount kit (holds two units) |
| SRX100-WALL-KIT | SRX100 wall mount kit (holds one unit) |
| SRX100-DESK-STAND | SRX100 desk stand (holds one unit) |

SRX100/SRX110 Dynamic VPN Client

| | |
|----------------|--|
| SRX-RAC-5-LTU | 5 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-10-LTU | 10 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |
| SRX-RAC-25-LTU | 25 simultaneous users for SRX100, SRX110, SRX210, SRX220, SRX240, SRX550, and SRX650 |

SRX100/SRX110 Additional Software Feature Licenses **

| | |
|------------------|--|
| SRX1XX-K-AV | One year subscription for Juniper-Kaspersky AV updates |
| SRX1XX-K-AV-3 | Three year subscription for Juniper-Kaspersky AV updates |
| SRX1XX-K-AV-5 | Five year subscription for Juniper-Kaspersky AV updates |
| SRX1XX-S-AV | One year subscription for Juniper-Sophos AV updates |
| SRX1XX-S-AV-3 | Three year subscription for Juniper-Sophos AV updates |
| SRX1XX-S-AV-5 | Five year subscription for Juniper-Sophos AV updates |
| SRX1XX-S2-AS | One year subscription for Juniper-Sophos antispam updates |
| SRX1XX-S2-AS-3 | Three year subscription for Juniper-Sophos antispam updates |
| SRX1XX-S2-AS-5 | Five year subscription for Juniper-Sophos antispam updates |
| SRX1XX-W-EWF | One year subscription for Juniper-Websense enhanced Web filtering updates |
| SRX1XX-W-EWF-3 | Three year subscription for Juniper-Websense enhanced Web filtering updates |
| SRX1XX-W-EWF-5 | Five year subscription for Juniper-Websense enhanced Web filtering updates |
| SRX1XX-SMB4-CS | One year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP |
| SRX1XX-SMB4-CS-3 | Three year security subscription for Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP |

*See price list for country-specific power cord model numbers.

**The additional software feature licenses apply to both the SRX100 and the SRX110.

| Model Number | Description | Model Number | Description |
|--------------------|--|----------------------|--|
| SRX1XX-SMB4-CS-5 | Five year security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP | SRX1XX-SMB4-CS-R | One year renewal security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP |
| SRX1XX-S-SMB4-CS | One year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure, AppSecure and IDP | SRX1XX-SMB4-CS-3-R | Three year renewal security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP |
| SRX1XX-S-SMB4-CS-3 | Three year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP | SRX1XX-SMB4-CS-5-R | Five year renewal security subscription for enterprise—includes Kaspersky AV, enhanced WF, Sophos AS, AppSecure and IDP |
| SRX1XX-S-SMB4-CS-5 | Five year security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP | SRX1XX-S-SMB4-CS-R | One year renewal security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP |
| SRX1XX-IDP | One year license for IDP updates | SRX1XX-S-SMB4-CS-3-R | Three year renewal security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP |
| SRX1XX-IDP-3 | Three year license for IDP updates | SRX1XX-S-SMB4-CS-5-R | Five year renewal security subscription for enterprise—includes Sophos AV, enhanced WF, Sophos AS, AppSecure and IDP |
| SRX1XX-IDP-5 | Five year license for IDP updates | SRX1XX-IDP-R | One year renewal subscription for IDP Signature service |
| SRX1XX-K-AV-3-R | Three year renewal subscription for Juniper-Kaspersky AV updates | SRX1XX-IDP-3-R | Three year renewal subscription for IDP Signature service |
| SRX1XX-K-AV-5-R | Five year renewal subscription for Juniper-Kaspersky AV updates | SRX1XX-IDP-5-R | Five year renewal subscription for IDP Signature service |
| SRX1XX-K-AV-R | One year renewal subscription for Juniper-Kaspersky AV updates | SRX100-APPSEC-A-1 | One year subscription for Application Security and IPS updates for SRX100 |
| SRX1XX-S-AV-3-R | Three year renewal subscription for Juniper-Sophos AV updates | SRX100-APPSEC-A-3 | Three year subscription for Application Security and IPS updates for SRX100 |
| SRX1XX-S-AV-5-R | Five year renewal subscription for Juniper-Sophos AV updates | SRX100-APPSEC-A-5 | Five year subscription for Application Security and IPS updates for SRX100 |
| SRX1XX-S-AV-R | One year renewal subscription for Juniper-Sophos AV updates | | |
| SRX1XX-S2-AS-3-R | Three year renewal subscription for Juniper-Sophos antispam updates | | |
| SRX1XX-S2-AS-5-R | Five year renewal subscription for Juniper-Sophos antispam updates | | |
| SRX1XX-S2-AS-R | One year renewal subscription for Juniper-Sophos antispam updates | | |
| SRX1XX-W-EWF-3-R | Three year renewal subscription for Juniper-enhanced Websense enhanced Web filtering updates | | |
| SRX1XX-W-EWF-5-R | Five year renewal subscription for Juniper-enhanced Websense enhanced Web filtering updates | | |
| SRX1XX-W-EWF-R | One year renewal subscription for Juniper-enhanced Websense enhanced Web filtering updates | | |

** The additional software feature licenses apply to both the SRX100 and the SRX110.

About Juniper Networks

Juniper Networks challenges the status quo with products, solutions and services that transform the economics of networking. Our team co-innovates with customers and partners to deliver automated, scalable and secure networks with agility, performance and value. Additional information can be found at [Juniper Networks](#) or connect with Juniper on [Twitter](#) and [Facebook](#).

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