



Product Overview

Juniper Networks SRX3000 line of services gateways is the next-generation solution for securing the ever-increasing network infrastructure and applications requirements for both enterprise and service provider environments. Designed from the ground up to provide flexible processing scalability, I/O scalability, and high integration, the SRX3000 line can meet the network and security requirements of data center hyper-consolidation, rapid managed services deployments, and aggregation of security solutions. Incorporating the routing heritage and service provider reliability of Junos OS with the rich security heritage of ScreenOS, the SRX3000 line offers the high-feature/service integration necessary to secure modern network infrastructure and applications.

Product Description

Juniper Networks® SRX3400 Services Gateway and SRX3600 Services Gateway are next-generation security platforms that deliver market-leading performance, scalability and service integration in a mid-sized form factor. These devices are ideally suited for medium to large enterprise, public sector and service provider networks, including:

- Enterprise server farms/data centers
- Securing mobile operator environments
- Aggregation of departmental or segmented security solutions
- Cloud and hosting provider data centers
- Managed services deployments

Based on an innovative mid-plane design and Juniper's dynamic services architecture, the SRX3000 line resets the bar in price/performance for enterprise and service provider environments. Each services gateway can support near linear scalability with each additional Services Processing Card (SPC), enabling the SRX3600 to support up to 30 Gbps of firewall throughput. The SPCs are designed to support a wide range of services enabling future support of new capabilities without the need for service-specific hardware. Using SPCs on all services ensures that there are no idle resources based on specific services in operation—maximizing hardware utilization.

Market leading flexibility and price/performance of the SRX3000 line comes from the modular architecture. Based on Juniper's dynamic services architecture, the gateway can be equipped with a flexible number of I/O cards (IOCs), network processing cards (NPCs) and service processing cards (SPCs)—allowing the system to be configured to support the ideal balance of performance and port density enabling each deployment of the Juniper Networks SRX Series Services Gateways to be tailored to specific network requirements. With this flexibility, the SRX3600 can be configured to support more than 100 Gbps interfaces with choices of Gigabit Ethernet or 10-Gigabit Ethernet ports; firewall performance from 10 to 30 Gbps; and services processing to match specific business needs.

The switch fabric employed in the SRX3000 line enables the scalability of SPCs, NPCs and IOCs. Supporting up to 320 Gbps of data transfer, the fabric enables the realization of maximum processing and I/O capability available in any particular configuration. This level of scalability and flexibility facilitates future expansion and growth of the network infrastructure, providing unrivaled investment protection.

The flexibility of the SRX3000 line extends beyond the innovation and proven benefit of the dynamic services architecture. Enabling the installation of SPCs on both the front and the back of the SRX3000 line, the mid-plane design delivers market-leading flexibility and scalability. By doubling the number of SPCs supported in half the rack space needed, the SRX3000 line offers not only underlying architectural innovation but also an innovative physical design.

The tight service integration on SRX Series Services Gateways is enabled by Juniper Networks Junos® operating system. By combining the routing heritage of Junos OS and the security heritage of ScreenOS®, the SRX Series Services Gateways are equipped with a robust list of features that include firewall, intrusion prevention system (IPS), denial of service (DoS), application security, Network Address Translation (NAT), and quality of service (QoS). In addition, incorporating multiple networking and security services under a single OS greatly optimizes the flow of traffic through the platform. With Junos OS, the SRX Series enjoys the benefit of a single source OS, single release train, and one architecture that is also available across Juniper's carrier-class routers and switches.

SRX3600

The SRX3600 Services Gateway is a market-leading security solution supporting up to 30 Gbps firewall, 10 Gbps firewall and IPS, or 10 Gbps of IPsec VPN along with up to 175,000 new connections per second. Equipped with the full range of security services, the SRX3600 is ideally suited for securing medium to large enterprise data centers, hosted or co-located data centers, or securing next-generation enterprise services/applications. It can also be deployed to secure cloud provider infrastructures where multi-tenancy is a requirement or to secure mobile operator environments. The scalability and flexibility of the services gateway makes it ideal for consolidating legacy security appliances in densely populated data centers, and the service density makes it ideal for cloud or mobile providers. The SRX3600 Services Gateway is managed by Juniper Networks Network and Security Manager; the single application used to manage all Juniper Networks firewall, IPS, Secure Sockets Layer (SSL), Juniper Networks Unified Access Control (UAC), and EX Series Ethernet Switch products.

SRX3400

The SRX3400 Services Gateway uses the same SPCs, IOCs and NPCs as the SRX3600 and can support up to 20 Gbps firewall, 6 Gbps firewall and IPS, or 6 Gbps of IPsec VPN, along with up to 175,000 new connections per second. The SRX3400 is ideally suited for securing and segmenting enterprise data centers/network infrastructure as well as aggregation of various security solutions. The capability to support unique security policies per zones and its ability to scale with the growth of the network makes the SRX3400 an ideal deployment for small to midsized server farms, hosting sites, or mobile operators. The SRX3400 Services Gateway is also managed by Juniper Networks Network and Security Manager.

SRX3000 Line Service Processing Cards*

As the “brains” behind the SRX3000 line, SPCs are designed to process all available services on the platform. By eliminating the need for dedicated hardware for specific services or capabilities, there are no instances in which any piece of hardware is taxed to the limit while other hardware sits idle. SPCs are designed to be pooled together, allowing the SRX3000 line to expand performance and capacities with the introduction of additional SPCs, drastically reducing management overhead and complexity. The same SPCs are supported on both the SRX3600 and SRX3400. (Note: A minimum of one NPC and one SPC is required for proper system functionality.)

SRX3000 Line I/O Cards*

In addition to supporting an ideal mix of built-in copper, small form-factor pluggable transceiver (SFP) and high availability (HA) ports, the SRX3000 line allows the greatest I/O port density of any comparable offering in the same class. Each services gateway in the SRX3000 line can be equipped with one or several IOCs, each supporting either 16-gigabit interfaces (16 x 1 copper or fiber Gigabit Ethernet), or 20-gigabit interfaces (2 x 10 Gigabit XFP Ethernet). With the flexibility to provide multiple IOCs, the SRX3000 line can be equipped to support an ideal balance between interfaces and processing capabilities. (Note: A minimum of one NPC and one SPC is required for proper system functionality.)

SRX3000 Line Network Processing Cards*

To ensure maximum processing performance and flexibility, the SRX3000 line utilizes NPCs to distribute inbound and outbound traffic to the appropriate SPCs and IOCs, apply QoS, and enforce DoS/distributed denial of service (DDoS) protections. The SRX3600 can be configured to support one to three NPCs, while the SRX3400 can be configured to support one or two NPCs. Providing additional NPCs to the SRX3000 line allows organizations to tailor the solution to fit their specific performance requirements. (Note: A minimum of one NPC and one SPC is required for proper system functionality.)

**The Juniper Networks SRX3000 line utilizes the same market leading, high-performance dynamic architecture as the SRX5000 line, but in a mid-plane form factor. The SRX3000 line SPCs, IOCs, and NPCs are based on a common form-factor module (CFM) design and are not compatible with the SRX5000 line. Likewise, all SRX5000 line modules are not compatible with the SRX3000 line.*

Features and Benefits

Networking and Security

The SRX3000 line has been designed from the ground up to offer robust networking and security services.

FEATURES	FEATURE DESCRIPTION	BENEFITS
Purpose-built platform	Built from the ground up on dedicated hardware—designed for networking and security services.	Delivers unrivaled performance and flexibility to protect high-speed network environments.
Scalable performance	Offers scalable processing based on the Dynamic Services Architecture.	Provides a simple and cost-effective solution to leverage new services with appropriate processing.
System and network resiliency	Provides carrier-class hardware design and proven OS.	Offers reliability needed for any critical high-speed network deployments.
High availability (HA)	Active/passive and active/active HA configurations using dedicated HA-control interfaces.	Achieve availability and resiliency necessary for critical networks.
Interface flexibility	Offers flexible I/O options including on-board ports and modular CFM I/O cards.	Offers flexible I/O configuration and independent I/O scalability to meet the port density requirements of multiple network environments.
Network segmentation	Provides security zones, VLANs, and virtual routers that allow administrators to deploy security policies to isolate guests and regional servers or databases.	Features the capability to tailor unique security and networking policies for various internal, external, and DMZ subgroups.
Robust routing engine	Dedicated routing engine that provides physical and logical separation to data and control planes.	Enables deployment of consolidated routing and security devices, as well as ensuring the security of routing infrastructure—all via a dedicated management environment.
Comprehensive threat protection	Tightly integrated services on Junos OS including multi-gigabit firewall, IPsec VPN, IPS, DoS, application security, and other networking and security services.	Offers unmatched integration, ensuring network security against all level of attacks.
Stateful GPRS inspection	Support for GPRS firewall in mobile operator networks.	Enables the SRX3000 line to provide stateful firewall capabilities for protecting key GPRS nodes within mobile operator networks.
Role-based/identity-based access control enforcement	Secure access to data center resources via tight integration of Juniper Networks Unified Access Control and SRX3000 line.	Enables user- and identity-based security services for enterprise data centers by integrating the SRX3000 line with the standards-based access control capabilities of Juniper Networks Unified Access Control.

Traffic Inspection Methods

The SRX Series supports various detection methods to accurately identify the application and traffic flow through the network.

FEATURES	FEATURE DESCRIPTION	BENEFITS
Protocol anomaly detection	Protocol usage against published RFCs is verified to detect any violations or abuse.	Proactively protect network from undiscovered vulnerabilities.
Traffic anomaly detection	Heuristic rules detect unexpected traffic patterns that may suggest reconnaissance or attacks.	Proactively prevent reconnaissance activities or block DDoS attacks.
IP spoofing detection	Validate IP addresses by checking allowed addresses inside and outside the network.	Permit only authentic traffic while blocking disguised sources.
DoS detection	Protection against SYN flood, IP, ICMP, and application attacks.	Protect your key network assets from being overwhelmed by denial of service attacks.

¹ As of May 2010, there are 6,200 signatures with approximately 10 new signatures added every week. Subscription to signature update service is required to receive new signatures.

AppSecure

Juniper Networks AppSecure is a suite of next-generation security capabilities that utilize advanced application identification and classification to deliver greater visibility, enforcement, control and protection over the network.

FEATURES	FEATURE DESCRIPTION	BENEFITS
AppTrack	Detailed analysis on application volume/usage throughout the network based on bytes, packets and sessions.	Provides the ability to track application usage to help identify high-risk applications and analyze traffic patterns for improved network management and control.
AppFW*	Fine grained application control policies to allow or deny traffic based on dynamic application name or group names.	Enhances security policy creation and enforcement based on applications and user roles rather than traditional port and protocol analysis.
AppQoS**	Set prioritization of traffic based on application information and contexts.	Provides the ability to prioritize traffic as well as limit and shape bandwidth based on application information and contexts for improved application and overall network performance.
AppDoS	Multi-stage detection methods used to identify and mitigate distributed denial of service attacks targeting applications.	Prevent service disruptions due to targeted attacks at applications by filtering and blocking malicious traffic while allowing legitimate traffic.
Application signatures	More than 700 signatures for identifying applications and nested applications.	Applications are accurately identified and the resulting information can be used for visibility, enforcement, control and protection.
SSL inspection	Inspection of HTTP traffic encrypted in SSL on any TCP/UDP port.	Combined with application identification, provides visibility and protection against threats embedded in SSL encrypted traffic.

IPS Capabilities

Juniper Networks IPS capabilities offer several unique features that assure the highest level of network security.

FEATURES	FEATURE DESCRIPTION	BENEFITS
Stateful signature inspection	Signatures are applied only to relevant portions of the network traffic determined by the appropriate protocol context.	Minimize false positives and offer flexible signature development.
Protocol decodes	More than 65 protocol decodes are supported along with more than 500 contexts to enforce proper usage of protocols.	Accuracy of signatures is improved through precise contexts of protocols.
Signatures ¹	There are more than 6,000 signatures for identifying anomalies, attacks, spyware, and applications.	Attacks are accurately identified and attempts at exploiting a known vulnerability are detected.
Traffic normalization	Reassembly, normalization, and protocol decoding are provided.	Overcome attempts to bypass other IPS detections by using obfuscation methods.
Zero-day protection	Protocol anomaly detection and same-day coverage for newly found vulnerabilities are provided.	Your network is already protected against any new exploits.
Recommended policy	Group of attack signatures are identified by Juniper Networks Security Team as critical for the typical enterprise to protect against.	Installation and maintenance are simplified while ensuring the highest network security.
Active/active traffic monitoring	IPS monitoring on active/active SRX3000 line chassis clusters.	Support for active/active IPS monitoring including advanced features such as low impact chassis cluster upgrades.

* AppFW is targeted for 1H2011

** AppQoS is targeted for 2H2011

Centralized Management

Network and Security Manager—the common management solution for all Juniper Networks firewall, IDP Series, SA Series SSL VPN Appliances, UAC, and EX Series—manages the SRX Series Services Gateways.

FEATURES	FEATURE DESCRIPTION	BENEFITS
Role-based administration	More than 100 different activities can be assigned as unique permissions for different administrators.	Streamline business operations by logically separating and enforcing roles of various administrators.
Scheduled security update	SRX Series Services Gateways can be automatically updated with new attack objects/signatures.	Get up-to-the-minute security coverage without manual intervention.
Domains	Logical separation of devices, policies, reports, and other management activities are permitted.	Conform to business operations by grouping devices based on business practices.
Object locking	Safe concurrent modification to the management settings is allowed.	Avoid incorrect configuration due to overwritten management settings.
Scheduled database backup	Automatic backup of NSM database is provided.	Provide configuration redundancy.
Job manager	View pending and completed jobs.	Simplify update of multiple devices.



SRX3400

SRX3600

Specifications

	SRX3400	SRX3600
Maximum Performance and Capacity²		
Tested configuration to achieve performance, capacities and features listed below: SRX3400 chassis equipped with four (4) SPCs, one (1) IOC, two (2) NCPs, and AC power supplies SRX3600 chassis equipped with seven (7) SPCs, two (2) IOCs, three (3) NPCs, and AC power supplies		
Junos OS version tested	Junos OS 10.2	Junos OS 10.2
Firewall performance (max)	20 Gbps	30 Gbps
Firewall performance (IMIX)	8 Gbps	18 Gbps
Firewall packets per second (64 bytes)	3 Mpps	6 Mpps
Maximum AES256+SHA-1 VPN performance	6 Gbps	10 Gbps
Maximum 3DES+SHA-1 VPN performance	6 Gbps	10 Gbps
Maximum IPS performance (NSS 4.2.1)	6 Gbps	10 Gbps
Maximum AppTrack performance	16 Gbps	25 Gbps
Maximum concurrent sessions	2.25 million	2.25 million
New sessions/second, (sustained, TCP, three-way)	175,000	175,000
Maximum security policies	40,000	40,000
Maximum user supported	Unrestricted	Unrestricted
Network Connectivity		
Fixed I/O	8 10/100/1000 + 4 SFP	8 10/100/1000 + 4 SFP
LAN interface options	16 x 1 10/100/1000 copper 16 x 1-Gigabit Ethernet SFP 2 x 10-Gigabit Ethernet XFP	16 x 1 10/100/1000 copper 16 x 1-Gigabit Ethernet SFP 2 x 10-Gigabit Ethernet XFP
Maximum available slots for IOCs	Four (front slots)	Six (front slots)
Processing Scalability		
Maximum available slots for SPCs ³	Up to four SPCs supported per chassis ⁴ (any slot)	Up to seven SPCs supported per chassis (any slot)
Maximum available slots for NPCs ³	Up to two NPCs supported per chassis ⁴ (three rear slots)	Up to three NPCs supported per chassis (three rear-right slots)
Firewall		
Network attack detection	Yes	Yes
DoS and DDoS protection	Yes	Yes
TCP reassembly for fragmented packet protection	Yes	Yes
Brute-force attack mitigation	Yes	Yes
SYN cookie protection	Yes	Yes
Zone-based IP spoofing	Yes	Yes
Malformed packet protection	Yes	Yes
IPsec VPN		
Site-to-site tunnels	10,000	10,000
Tunnel interfaces	10,000	10,000
DES (56-bit), 3DES (168-bit), and AES encryption	Yes	Yes
MD5 and SHA-1 authentication	Yes	Yes
Manual key, IKE, PKI (X.509)	Yes	Yes
Perfect forward secrecy (DH groups)	1,2,5	1,2,5
Prevent replay attack	Yes	Yes
Remote access VPN	Yes	Yes
Redundant VPN gateways	Yes	Yes

² Performance, capacity, and features listed are based upon systems running Junos OS 10.2 and are measured under ideal testing conditions. SRX3400 DC-powered systems achieve lower performance levels as fewer cards can be supported. Actual results may vary based on Junos OS releases and by deployment. For a complete list of supported Junos OS versions for the SRX Series Services Gateways, please visit the Juniper Customer Support Center (www.juniper.net/customers/support/).

³ Each SRX3000 line of Services Gateways employ multiple common form-factor module (CFM) expansion slots on the front and rear of the chassis to allow custom configurations of I/O and processing capacities based on customer requirements. SPCs and NPCs are supported on all available CFM slots. However, for proper system functionality and allowing for I/O expansion, the SRX3400 supports a maximum of up to four SPCs and two NPCs per chassis, and the SRX3600 supports a maximum of up to seven SPCs and three NPCs per chassis. Please refer to the respective hardware guides for more information on SPCs and NPCs as well as for guidelines on placements.

⁴ Refer to user guide for guidelines when using DC power supplies.

	SRX3400	SRX3600
Intrusion Prevention System		
Modes of operation: In-line and in-line tap	Yes	Yes
Active/active traffic monitoring	Yes	Yes
Stateful protocol signatures	Yes	Yes
Attack detection mechanisms	Stateful signatures, protocol anomaly detection (zero-day coverage), application identification	Stateful signatures, protocol anomaly detection (zero-day coverage), application identification
Attack response mechanisms	Drop connection, close connection, session packet log, session summary, email, custom session	Drop connection, close connection, session packet log, session summary, email, custom session
Attack notification mechanisms	Structured Syslog	Structured Syslog
Worm protection	Yes	Yes
Simplified installation through recommended policies	Yes	Yes
Trojan protection	Yes	Yes
Spyware/adware/keylogger protection	Yes	Yes
Other malware protection	Yes	Yes
Application denial of service protection	Yes	Yes
Protection against attack proliferation from infected systems	Yes	Yes
Reconnaissance protection	Yes	Yes
Request and response-side attack protection	Yes	Yes
Compound attacks—combines stateful signatures and protocol anomalies	Yes	Yes
Create custom attack signatures	Yes	Yes
Access contexts for customization	500+	500+
Attack editing (port range, other)	Yes	Yes
Stream signatures	Yes	Yes
Protocol thresholds	Yes	Yes
Stateful protocol signatures	Yes	Yes
Approximate number of attacks covered	6,000+	6,000+
Detailed threat descriptions and remediation/patch info	Yes	Yes
Create and enforce appropriate application-usage policies	Yes	Yes
Attacker and target audit trail and reporting	Yes	Yes
Frequency of updates	Daily and emergency	Daily and emergency

GPRS Security

GPRS stateful firewall	Yes	Yes
GTP tunnels	250,000	500,000

Destination Network Address Translation

Destination NAT with PAT	Yes	Yes
Destination NAT within same subnet as ingress interface IP	Yes	Yes
Destination addresses and port numbers to one single address and a specific port number (M:1P)	Yes	Yes
Destination addresses to one single address (M:1)	Yes	Yes
Destination addresses to another range of addresses (M:M)	Yes	Yes

Source Network Address Translation

Static Source NAT – IP-shifting DIP	Yes	Yes
Source NAT with PAT – port-translated	Yes	Yes
Source NAT without PAT – fix-port	Yes	Yes
Source NAT – IP address persistency	Yes	Yes
Source pool grouping	Yes	Yes
Source pool utilization alarm	Yes	Yes

³Maximum number of supported L3 subinterfaces in HA configuration is 1,000.

⁴Maximum number of BGP and OSPF routes recommended is 100,000.

	SRX3400	SRX3600
Source Network Address Translation (continued)		
Source IP outside of the interface subnet	Yes	Yes
Interface source NAT – interface DIP	Yes	Yes
Oversubscribed NAT pool with fallback to PAT when the address pool is exhausted	Yes	Yes
Symmetric NAT	Yes	Yes
Allocate multiple ranges in NAT pool	Yes	Yes
Proxy ARP for physical port	Yes	Yes
Source NAT with loopback grouping – DIP loopback grouping	Yes	Yes
User Authentication and Access Control		
Built-in (internal) database	Yes	Yes
RADIUS accounting	Yes	Yes
Web-based authentication	Yes	Yes
UAC enforcement point	Yes	Yes
Public Key Infrastructure (PKI) Support		
PKI certificate requests (PKCS 7 and PKCS 10)	Yes	Yes
Automated certificate enrollment (SCEP)	Yes	Yes
Certificate authorities supported	Yes	Yes
Self-signed certificates	Yes	Yes
Virtualization		
Maximum number of security zones	256	256
Maximum number of virtual routers	256	256
Maximum number of VLANs per interface	4,096	4,096
Maximum number of L3 subinterfaces	16,384 ⁵	16,384 ⁵
Routing		
BGP instances	128	128
BGP peers	2,000	2,000
BGP routes	1,000,000 ⁶	1,000,000 ⁶
OSPF instances	256	256
OSPF routes	1,000,000 ⁶	1,000,000 ⁶
RIP v1/v2 instances	50	50
RIP v2 table size	30,000	30,000
Dynamic routing	Yes	Yes
Static routes	Yes	Yes
Filter-based forwarding (FBF)	Yes	Yes
Equal-cost multipath (ECMP)	Yes	Yes
Reverse path forwarding (RPF)	Yes	Yes
Multicast	Yes	Yes
IPv6		
Firewall/stateless filters	Yes	Yes
Dual stack IPv4/IPv6 firewall	Yes	Yes
RIPng	Yes	Yes
BFD, BGP	Yes	Yes
ICMPv6	Yes	Yes
OSPFv3	Yes	Yes
Class of service	Yes	Yes

	SRX3400	SRX3600
Mode of Operation		
Layer 2 (transparent) mode	Yes	Yes
Layer 3 (route and/or NAT) mode	Yes	Yes
IP Address Assignment		
Static	Yes	Yes
Dynamic Host Configuration Protocol (DHCP)	Yes	Yes
Internal DHCP server	Yes	Yes
DHCP relay	Yes	Yes
Traffic Management QoS		
Maximum bandwidth	Yes	Yes
RFC2474 IP DiffServ in IPv4	Yes	Yes
Filters for CoS	Yes	Yes
Classification	Yes	Yes
Scheduling	Yes	Yes
Shaping	Yes	Yes
Intelligent Drop Mechanisms (WRED)	Yes	Yes
Three-level scheduling	Yes	Yes
Weighted round-robin for each level of scheduling	Yes	Yes
Priority of routing protocols	Yes	Yes
High Availability		
Active/passive, active/active	Yes	Yes
Low impact chassis cluster upgrades	Yes	Yes
Configuration synchronization	Yes	Yes
Session synchronization for firewall and IPsec VPN	Yes	Yes
Session failover for routing change	Yes	Yes
Device failure detection	Yes	Yes
Link and upstream failure detection	Yes	Yes
Interface link aggregation/LACP	Yes	Yes
Redundant data and control links*	Yes	Yes
Management		
WebUI (HTTP and HTTPS)	Yes	Yes
Command-line interface (console)	Yes	Yes
Command-line interface (telnet)	Yes	Yes
Command-line interface (SSH)	Yes	Yes
Network and Security Manager version 2008.2 or later	Yes	Yes
Administration		
Local administrator database support	Yes	Yes
External administrator database support	Yes	Yes
Restricted administrative networks	Yes	Yes
Root admin, admin, and read-only user levels	Yes	Yes
Software upgrades	Yes	Yes
Configuration rollback	Yes	Yes

* To enable dual control links on the SRX3000 line, the SRX3K CRM module must be installed on each cluster member.

	SRX3400	SRX3600
Logging/Monitoring		
Structured System Log	Yes	Yes
SNMP (v2/v3)	Yes	Yes
Traceroute	Yes	Yes
Dimensions and Power		
Dimensions (W x H x D)	17.5 x 5.25 x 25.5 in (44.5 x 13.3 x 64.8 cm)	17.5 x 8.75 x 25.5 in (44.5 x 22.2 x 64.8 cm)
Weight	Chassis: 32.3 lb (14.7 kg) Fully configured: 75 lb (34.1 kg)	Chassis: 43.6 lb (19.8 kg) Fully configured: 115.7 lb (52.6 Kg)
Power supply (AC)	100 to 240 VAC	100 to 240 VAC
Power supply (DC)	-40 to -72 VDC	-40 to -72 VDC
Maximum power draw	1,100 W (AC power) 1,050 W (DC power)	1,750 W (AC power) 1,850 W (DC power)
Power supply redundancy	1 + 1	2 + 1 / 2 + 2
Certifications		
Safety certifications	Yes	Yes
Electromagnetic compatibility (EMC) certifications	Yes	Yes
3GPP TS 20.060 Compliance*		
R6: 3GPP TS 29.060 version 6.21.0	Yes	Yes
R7: 3GPP TS 29.060 version 7.3.0	Yes	Yes
R8: 3GPP TS 29.060 version 8.3.0	Yes	Yes
Operating Environment		
Operating temperature	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)
Humidity	5% to 90% noncondensing humidity	5% to 90% noncondensing humidity

* SRX3000 line gateways operating with Junos software release 10.0 and later are compliant with the R6, R7, and R8 releases of 3GPP TS 20.060 with the following exceptions (not supported on the SRX3000 line) :

- Section 7.5A Multimedia Broadcast and Multicast Services (MBMS) messages
- Section 7.5B Mobile Station (MS) info change messages
- Section 7.3.12 Initiate secondary PDP context from GGSN

Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services and support, which are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to bring revenue-generating capabilities online faster so you can realize bigger productivity gains and faster rollouts of new business models and ventures. At the same time, Juniper Networks ensures operational excellence by optimizing your network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services/.

Ordering Information

MODEL NUMBER	DESCRIPTION
Base System	
SRX3400BASE-AC	SRX3400 chassis, midplane, fan, routing engine, SFB-12 Gigabit Ethernet, AC PEM ⁵ - no power cord - no SPC - no NPC
SRX3400BASE-DC	SRX3400 chassis, midplane, fan, routing engine, SFB-12 Gigabit Ethernet, DC PEM - no SPC - no NPC
SRX3600BASE-AC	SRX3600 chassis, midplane, fan, routing engine, SFB-12 Gigabit Ethernet, 2xAC PEM ⁵ - no power cords - no SPC - no NPC
SRX3600BASE-DC	SRX3600 Chassis, midplane, fan, routing engine, SFB-12 Gigabit Ethernet, 2xDC PEM - no SPC - no NPC

SRX3000 Line Components

SRX3K-SPC-1-10-40	SRX3000 line Services Processing Card with 1 GHz processor and 4 GB memory
SRX3K-NPC	SRX3000 line Network Processing Card
SRX3K-16GE-TX	16 x 1 10/100/1000 Copper CFM I/O Card for SRX3000 line
SRX3K-16GE-SFP	16 x 1 Gigabit SFP Ethernet I/O Card for SRX3000 line, no transceivers
SRX3K-2XGE-XFP	2 x 10 Gigabit XFP Ethernet I/O Card for SRX3000 line, no transceivers
SRX3K-CRM	Clustering module for the SRX3000 line to enable redundant control links in high-availability clusters

Transceivers

SRX-SFP-1GE-LH	Small form factor pluggable 1000BASE-LH Gigabit Ethernet optic module
SRX-SFP-1GE-LX	Small form-factor pluggable 1000BASE-LX Gigabit Ethernet optic module
SRX-SFP-1GE-SX	Small form-factor pluggable 1000BASE-SX Gigabit Ethernet optic module
SRX-SFP-1GE-T	Small form-factor pluggable 1000BASE-T Gigabit Ethernet module
SRX-XFP-10GE-SR	10-Gigabit Ethernet pluggable transceiver, short reach multimode
SRX-XFP-10GE-LR	10-Gigabit Ethernet pluggable transceiver, 10 Km, single mode
SRX-XFP-10GE-ER	10-Gigabit Ethernet pluggable transceiver, 40 Km, single mode

AppSecure Subscription

SRX3400-APPSEC-A-1	One year subscription for Application Security and IPS updates for SRX3400
SRX3400-APPSEC-A-3	Three year subscription for Application Security and IPS updates for SRX3400
SRX3600-APPSEC-A-1	One year subscription for Application Security and IPS updates for SRX3600
SRX3600-APPSEC-A-3	Three year subscription for Application Security and IPS updates for SRX3600
SRX5600-APPSEC-A-1	One year subscription for Application Security and IPS updates for SRX5600
SRX5600-APPSEC-A-3	Three year subscription for Application Security and IPS updates for SRX5600
SRX5800-APPSEC-A-1	One year subscription for Application Security and IPS updates for SRX5800
SRX5800-APPSEC-A-3	Three year subscription for Application Security and IPS updates for SRX5800

MODEL NUMBER	DESCRIPTION
IPS Subscription	
SRX3K-IDP	One year IPS signature subscription for SRX3000 line
SRX3K-IDP-3	Three year IPS signature subscription for SRX3000 line

C19 Straight Power Cables

CBL-PWR-C19S-132-UK	Power cord, AC, Great Britain & Ireland, C19 at 70-80 mm, 13 A/250 V, 2.5 mm, straight
CBL-PWR-C19S-151-US15	Power cord, AC, Japan/US, NEMA 5-15 to C19 at 70-80 mm, 15 A/125 V, 2.5 m, straight
CBL-PWR-C19S-152-AU	Power cord, AC, Australia/New Zealand, C19 at 70-80 mm, 15 A/250 V, 2.5 m, straight
CBL-PWR-C19S-162-CH	Power cord, AC, China, C19, 16 A/250 V, 2.5 m, straight
CBL-PWR-C19S-162-EU	Power cord, AC, Continental Europe, C19, 16 A/250 V, 2.5 m, RA
CBL-PWR-C19S-162-IT	Power cord, AC, Italy, C19 at 70-80 mm, 16 A/250 V, 2.5 m, straight
CBL-PWR-C19S-162-JP	Power cord, AC, Japan, NEMA 6-20 to C19, 16 A/250 V, 2.5 m, straight
CBL-PWR-C19S-162-JPL	Power cord, AC, Japan/US, C19 at 70-80 mm, 16 A/250 V, 2.5 m, straight, locking plug
CBL-PWR-C19S-162-US	Power cord, AC, Japan/US, NEMA 6-20 to C19 at 70-80 mm, 16 A/250 V, 2.5 m, straight
CBL-PWR-C19S-162-USL	Power cord, AC, US, NEMA L6-20 to C19, 16 A/250 V, 2.5 m, straight, locking plug

⁵ AC power cords are not included. One C19-Straight cable with appropriate wall-plug for the final destination of the system is required for each power supply.

About Juniper Networks

Juniper Networks, Inc. is the leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Additional information can be found at www.juniper.net.

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