SRX1400 Services Gateway

Product Overview

SRX Series Services Gateways are next-generation firewalls based on a revolutionary architecture offering outstanding protection, performance, scalability, availability, and security service integration. Custom designed for flexible processing scalability, I/O scalability, and services integration, the SRX Series exceeds the security requirements of data center consolidation and services aggregation. The SRX Series is powered by Junos OS, the same industry-leading operating system platform that keeps the world's largest networks available, manageable, and secure for the data center.

Product Description

The SRX1400 Services Gateway is a professional-grade platform for security ideally suited for small to mid-size data centers, enterprise, and service provider network deployments where consolidated functionality, uncompromising 10 Gbps performance, compact environmental footprint, and affordability are key requirements.

The SRX1400 expands the SRX Series family of next-generation firewalls, delivering market-leading performance and extensive service integration to 10GbE environments where the features are required without the massive scalability provided by SRX3000 and SRX5000 lines.

In terms of security, the SRX1400 features next-generation firewall services such as application security, Unified Threat Management (UTM) and Intrusion Prevention System (IPS). Integrated threat intelligence via Spotlight Secure offers adaptive threat protection against command and control (C&C) related botnets and policy enforcement based on GeoIP 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 SRX1400 is available in two base configurations offering a choice of built-in high-density 1GbE ports or combination of built-in 10GbE ports and 1GbE ports. For enhanced flexibility, the SRX1400 can use the integrated SRX1400 NSPC processing card or use separate NPC and SPC cards from the SRX3000 line, simplifying sparing logistics and interoperability. The appliance includes one expansion slot on the front panel.

Purpose-built to protect 10GbE network environments, the SRX1400 consolidates multiple security services and networking functions in a highly-available appliance. Featuring a modular design that uses common form-factor modules serviceable from the front panel, the SRX1400 incorporates innovation that improves reliability, enhances network availability and delivers deterministic performance of concurrent security services at scale.

Combining Juniper's Dynamic Services Architecture and Juniper Networks Junos® operating system with carrier-class features based on the proven design of the SRX3000 line of services gateways, SRX1400 sets a new standard in value by extending the SRX Series data center line to cost-effectively satisfy network security requirements in smaller environments. Each SRX1400 Services Gateway consolidates multiple security services in one chassis under one integrated security policy, while delivering the uncompromised performance needed to support 10GbE environments in today's high-performance networks.

Purpose-Built for Network Security Professionals

The SRX1400 is a carrier grade appliance designed from the ground up for long, trouble-free service life of continuous operation in demanding, high-performance data center network environments. Designed and produced using a TL 9000 registered quality management system, the SRX1400 is 100% Juniper software, support services and

hardware including innovative new chipsets to separate control and user planes, enabling performance to scale to new levels required to meet the needs of high performance networks.

Dynamic Services Architecture

The high-end SRX Series uses the Juniper Dynamic Services Architecture to distribute data sessions between multi-core processing resources dynamically, on-the-fly. Instead of binding network traffic and services to specific CPU cores and processing resources in a fixed or rigid manner, as other vendors do, Dynamic Services Architecture balances traffic session processing work load dynamically within a pool formed from all available resources. This avoids an all-too-common situation experienced on general-purpose computing platforms used for security, where a subset of resources operate at or near their maximum limits while other resources are under-used or idle.

The Dynamic Services Architecture in SRX Series services gateways is what enables Juniper to deliver massive scalability, market-leading throughput, and deterministic performance with multiple security services operating concurrently. With the chassis-based SRX Series gateways, additional processing cards can be easily installed adding to the resource pool as your traffic grows over time.

Centralized Management

Juniper Networks Junos® Space Security Director delivers scalable and responsive security management that improves the reach, ease, and accuracy of security policy administration. It lets administrators manage all phases of the security policy lifecycle through a single Web-based interface, accessible via standard browsers. Junos Space Security Director centralizes application identification, firewall, IPS, NAT, and VPN security management for intuitive and quick policy administration.

Junos Space Security Director runs on the Junos Space Management Platform for highly extensible, network-wide management functionality, including ongoing access to Juniper and third-party Junos Space ecosystem innovations.

SRX1400 Architecture and Key Components

Based on the time-tested, proven design of the SRX3000 line, the SRX1400 delivers deterministic performance optimized for 10GbE. A functional SRX1400 system consists of a base configuration together with a Network and Services Processing Card (NSPC) designed specifically for the SRX1400, or a combination of base configuration together with interchangeable SRX3000 line processing cards. The capability of the SRX1400 to use SRX3000 line cards can provide significant advantages and a lower total cost of ownership (TCO). Customers can simplify operations and maintenance by using one common security policy and a common set of spares that are compatible and interoperable between SRX1400 and SRX3000 line services gateways. Policy and configuration backup and restore

operations, equipment replacements, migration and upgrade from SRX1400 to the SRX3000 line are straightforward.

With the exception of the hot-swappable fan tray, which is accessible from the rear panel, all modules and connections on the SRX1400 are accessible from the front panel.

Choice of Base Systems

Two base systems are available for the SRX1400 - a GE version and an XGE version. Both base system versions include a discrete Routing Engine module, one power supply (AC or DC), and a fan tray assembly.

GE-Base System

The GE-Base System contains twelve GbE ports. Six of the twelve GbE ports are 10/100/1000 copper (RJ45), and six are 1000BASE-X. Two of the six 1000BASE-X ports can be used for either high availability (HA) cluster control or as data ports. The 1000BASE-X ports accept small form-factor pluggable (SFP) transceivers which are available in copper, short reach (SX) multimode (MM fiber) and long reach (LX) single mode (SM fiber).

XGE-Base System

The XGE-Base System contains three ports of 10GbE and nine ports of GbE. Six of the nine GbE ports are 10/100/1000 copper (RJ45) and three are 1000BASE-X. Two of the three 1000BASE-X ports can be used for either HA cluster control or as data ports. The 1000BASE-X ports accept SFP transceivers which are available in copper, SX (MM fiber) and LX (SM fiber). The three 10GbE ports accept SFP+ transceivers which are available in SR (MM fiber), LR (SM fiber), and ER (SM fiber).

In addition to a base system, processing resources—either one integrated NSPC, or the combination of one SRX3000 line NPC, one SRX3000 line SPC, and one double wide tray—must be installed in order to have an operational system.

Options

Optional modules that can be added include one additional (redundant) power supply (AC or DC) and one IOC for additional Ethernet connectivity. The SRX3000 line and SRX1400 use the same interchangeable IOC modules. The SRX1400 is designed for future expansion, including the ability to accommodate next-generation silicon from Juniper Networks.

SRX1400 NSPC[1]

Providing the power inside the SRX1400, the integrated NSPC is optimized to perform all packet processing and inspection for all available services on the platform. The Juniper Dynamic Services Architecture manages the multiple cores of processing power on the NSPC as one pool or reservoir of resources, and dynamically allocates resources to services as needed. To ensure maximum processing performance and flexibility, the SRX Series high-end products use network processors (NPCs) to distribute inbound and outbound traffic to SPCs and IOCs, apply QoS, and enforce protection from DoS/DDoS attack scenarios.

SRX3000 Line NPC and SPC

The SRX1400 will interoperate with the SRX3000 NPC and SPC cards. In order to use the SRX3000 line NPC and SRX3000 SPC in the SRX1400, it is necessary to use the optional double wide tray.

I/O Cards (IOC)

Supporting a wide variety of use cases and to accommodate interfacing between different Ethernet standards, the SRX1400 provides for additional front panel I/O to complement the excellent port density provided in the base system. SRX1400 and SRX3000 line of products use the same IOCs interchangeably.

Each SRX1400 Services Gateway can accommodate one additional IOC; either 16 gigabit interfaces (16 x 10/100/1000 copper GbE or 16 x 1000BASE-X fiber GbE), or two 10GbE interfaces (2 x 10GbE XFP Ethernet).

In addition, the SRX1400 and SRX3000 line also has a combined NPC/IOC card (NP-IOC). This card expands the gateway's performance by serving two functions, network processing and input/output, with just one card in one slot. Like the other cards, this one supports in-service software upgrades; In addition, it also supports in-service hardware upgrades. It is fully, backward compatible with the current SRX1400 chassis and cards.

Power Supplies

The SRX1400 accommodates one or two AC or DC power supply modules. Each individual power supply is fully capable of furnishing all of the power the SRX1400 needs. The second power supply is redundant to the first and is used to increase availability in the event of a power supply failure. Power supplies are hot-swappable, Network Equipment Building System (NEBS-III) ready, and accessible from the front panel.

Features and Benefits

Loaded with features and optimized for 10GbE networks, the SRX1400 has many attributes that make it superior to other products on the market:

Table 1: SRX1400 Features and Benefits

Feature	Description	Benefit
Professional-grade networking security services	• Purpose-built platform for security built from the ground up to provide many years of professional-grade, high-performance, high-availability networking security services. • Powerful command-line interface (CLI) and extensive scripting capability.	• Network security solutions you can trust because they work as expected, day in and day out, year after year. • Radically simplifies and reduces total cost of ownership of large scale deployments, particularly Long Term Evolution (LTE).
Consolidated security services	Consolidation of multiple security services into one chassis-based system (IP, GTP, and application firewall; IP and GTP IPS; NAT; IP and application QoS; dynamic routing; application identification, tracking and reporting; and more.	• Deploy fewer unique devices. • Reduce latency, performance, and availability impacts from multiple devices. • Reduce operation and maintenance (O&M) costs with single, integrated policy and device management system, common spares, and technical training.
Threat intelligence	Integration with Spotlight Secure for application of advanced threat detection technologies and feeds for policy enforcement	Policy enforcement based on optimized and up-to-date threat intelligence is automatically syndicated across the firewall estate, enabling higher security effectiveness and operational efficiency.
Dynamic Services Architecture	• Separate control and data plane. • Discrete routing engine. • Multiple CPU cores form a pool of resources where idle and under used processing resources are dynamically allocated to the security services that need them.	• Superior performance under varying traffic loads, especially DoS and DDoS attacks. • Significant reduction in TCO. • Significant improvement in network reliability, availability, and performance. • Improvement in customer satisfaction and time to market.
Interoperable SRX3000 line IOC and processing cards	• SRX1400 is a derivative of the SRX3000 line, making device configuration, policy, NPC, SPC and IOCs interoperable and interchangeable. • Technical hardware and software knowledge, in addition to spares, can be leveraged easily across the organization.	Simplified logistics and spares, reduced operations and maintenance costs, and improved network availability.
I/O flexibility, density, integration, and scale	• SRX1400 has the I/O flexibility and density, consolidated services, and performance at scale to satisfy multiple requirements and use cases. • Individual security services are top rated by industry analyst organizations. • Multiple services are tightly integrated under a common security policy and management system.	One appliance satisfies a wide variety of use cases.

Feature	Description	Benefit
Investment protection	• SRX1400 is chassis-based and designed to be compatible with next-generation silicon from Juniper Networks. • Additional services can be delivered through the Junos OS release train. • AppSecure plus related upcoming features can significantly enhance data center/server farm protection use case scenarios. • SRX1400 design includes expansion slot. • SRX3000 line NPC and SPC can interoperate in SRX1400 IOCs are interchangeable.	Juniper's strategy and product roadmap is designed to protect customer investment into the future.
NP-IOC	Combined card supports both network processing and input/output capabilities with sub-10 µs latency. Like the other cards, this one supports in-service software upgrades; In addition, it also supports in-service hardware upgrades. It is fully, backward compatible with the current SRX1400 chassis and cards.	Meets business requirements by expanding the gateway's performance and serving latency sensitive applications such as high-speed financial trading
AutoVPN	One time hub configuration for site-to-site VPN for all spokes, even newly added ones. Configuration options include: routing, interfaces, IKE, and IPsec.	Enables IT administrative time and cost savings with easy, no-touch deployment for IPsec VPN networks.

AppSecure

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

Feature	Description	Benefit
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.
AppFirewall	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.
Application signatures	Open signature library for identifying applications and nested applications..	Applications are accurately identified and the resulting information can be used for visibility, enforcement, control and protection.
SSL Proxy (forward and reverse)	Performs SSL encryption and decryption between the client and the server	Combined with application identification, provides visibility and protection against threats embedded in SSL encrypted traffic.
User identity-based access control enforcement	Secure access to data center resources via tight integration of standards-based access control capabilities of Junos Pulse Access Control Service and the SRX3000 line.	Enables agent-based and agentless identity security services for enterprise data centers by integrating the SRX3000 line with the standards-based access control capabilities of Junos Pulse Access Control Service. This integration enables administrative flexibility to manage a variety of user access, including corporate, guest, and mobile.

IPS Capabilities

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

Feature	Description	Benefit
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	Enables most accurate detection and helps reduce false positives.	Accuracy of signatures is improved through precise contexts of protocols.
Signatures	There are more than 8,500 signatures for identifying anomalies, attacks, spyware, and applications.	Attacks are accurately identified and attempts to exploit 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 in-service software upgrade.
Packet capture	IPS policy supports packet capture logging per rule.	Conduct further analysis of surrounding traffic and determine further steps to protect target.

Traffic Inspection Methods

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

Feature	Description	Benefit
Application identification	Identifies applications and tunneled applications independent of protocol and port numbers.	Granular control over application traffic through smart firewall policies.
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.

SRX1400 shown with XGE base system, optional IOC and optional redundant power supply.

SRX1400 Specifications

Network Interfaces

- 1GbE ports:
  - Built-in: 9 or 12
  - IOC: 16
- 10GbE ports:
  - Built-in: 0 or 3
  - IOC: 2
- Chassis HA control ports: 2 shared 1GbE
- Expansion slot: 1 single-wide SRX3000 IOC
- Power supply: AC or DC, one supplied, one optional redundant, hot-swappable

System Performance (maximum)

- Junos OS version tested: Junos OS 12.1X46
- Firewall performance (max): 10 Gbps
- Firewall performance (IMIX): 5 Gbps
- Firewall packets per second (64 bytes): 1.5 Mpps

- Maximum AES256+SHA-1 VPN performance: 4 Gbps
- Maximum 3DES+SHA-1 VPN performance: 4 Gbps
- Maximum IPS performance: 3 Gbps
- Maximum AppFW performance: 6.5 Gbps
- Maximum AppTrack performance: 6 Gbps
- Maximum concurrent sessions: 1.5 Million
- New sessions/second (sustained, tcp, 3way): 70,000
- Maximum security policies: 40,000
- Antivirus (Sophos AV) throughput: 1,290 Mbps
- Enhanced Web filter throughput: 4 Gbps

Dimensions (W x H x D) and Power:

- 17.5 x 5.25 x 13.8 in (44.5 x 13.3 x 35.05 cm)
- Rack mount: 3 RU
- Maximum power draw: 485 W (AC/DC power)

Weight:

- Base chassis: 29.3 lb (13.3 kg)
- Fully configured chassis: 42.5 lb (19.3 kg)
  Source Power:
- Provisioning requirements:
- 100 to 127 VAC, 60 Hz, 13.0 A
- 200 to 240 VAC, 50 Hz, 2.5 A

Thermal:

- Thermal load: 1654 BTU/hr AC or DC power

Environmental Ranges:

- Non-operating storage temperature: –40º to 158º F (–40º to 70º C)
- Altitude: 10,000 ft (3,048 m)
- Operating temperature (long term): 41º to 104º F (5º to 40º C)
- Operating temperature (short term6): 23º to 131º F (-5º to 55º C)
- Humidity (long term): 5% to 85% noncondensing
- Humidity (short term[2]): 5% to 93% noncondensing but not to exceed 0.026 kg water/kg of dry air

Registration, Compliance, Certification

- SRX Series production employs a TL-9000 registered quality management system.
- 3GPP TS 20.060[3] R6: version 6.21.0
                     R7: version 7.3.0
                     R8: version 8.3.0
- Safety certifications: Yes
- Electromagnetic Compatibility (EMC) certifications: Yes
- Designed for NEBS Level 3: Yes
- NIST FIPS-140-2 Level 2: Yes (with Junos 1O.4R4)
- ISO Common Criteria NDPP+TFFW EP: Yes (with Junos OS 12.1x44)
- IPsec: Yes
- USGv6: Yes (with Junos OS 11.4R1

Consolidated Security Services

The SRX1400 consolidates multiple security services and networking functions into one physical appliance by tightly integrating the configuration, security policy, and device management of these services within Junos OS. All services are included in the Junos OS image, and all services are available when the OS is running. This means that no additional software components need to be installed, activated, or configured when more services are needed, thereby, greatly simplifying system administration and reducing costs. Services can be used (or not) depending on the rules in the security policy. Services available on the SRX1400 include:

- Stateful firewall
- Stateless firewall filter
- IPsec VPN
- Intrusion prevention system (IPS)
- Network address translation (NAT)
- User authentication and access control
- Public key infrastructure (PKI) support
- Virtualization
- Dynamic Routing
- IPv6
- Layer 2 (transparent) mode
- Layer 3 (route and/or NAT) mode
- IP address assignment
- Traffic management QoS
- HA
- Application Security
- Management
- Administration
- Logging/monitoring
- Stateful inspection of IPv4, IPv6, General Packet Radio Service tunneling protocol (GTP), and applications at layers 4-7
- SSL decryption
- IP and GTP IPS
- Denial of service/distributed denial of service (DoS/DDoS) protection, including protection from attacks on business and application logic
- Multiple (virtual) routing instances
- AppSecure (AppFW, AppTrack, AppQoS, and IPS)
- LSYS
- In-Service Software Upgrade (ISSU)[4] , In-Service Hardware Upgrade (ISHU)
- Streams Control Transmission Protocol (SCTP)
- Application-level gateways (ALGs)

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[2] Short term is not greater than 96 consecutive hours, and not greater than 15 days in one year

[3] Exceptions:
 - Section 7.5A Multimedia Broadcast and Multicast Services (MBMS) messages
 - Section 7.5B Mobile Station (MS) information change messages
 - Section 7.3.12 Initiate secondary PDP context from gateway GSN (GGSN)

[4] Please check the technical publication documents and release notes for the list of compatible features for ISSU.

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.

Ordering Information

Model Number	Description
Base System	
SRX1400BASE-GE-AC	SRX1400 chassis, fan, Routing Engine, GbE–System I/O card, AC power supply, C13 power cord (no SPC, no NPC, no NSPC, no IOC)
SRX1400BASE-XGE-AC	SRX1400 chassis, fan, Routing Engine, 10GbE–System I/O card, AC power supply, C13 power cord (no SPC, no NPC, no NSPC, no IOC)
SRX1400BASE-GE-DC	SRX1400 chassis, backplane, PSU, GE-SYSIO (no NPC/SPC)
SRX1400BASE-XGE-DC	SRX1400 chassis, fan, Routing Engine, 10GbE–System I/O card, AC power supply, C13 power cord (no SPC, no NPC, no NSPC, no IOC)
Network and Services Processing Cards[5]	
SRX1K-NPC-SPC-1-10-40	Network and Services Processing Card (NSPC) for SRX1400, single processor, 1 GHz, 4 GB memory/CPU

[5] Processing card(s) must be installed in the SRX1400 in order for proper operation. If the SRX1400 NSPC is not installed, then separate SRX3000 line NPC and SPC cards mounted on a double-wide tray must be installed in order for the SRX1400 system to function properly.

Field Replaceable Units (FRU)

Model Number	Description
SRX1400-CHAS	SRX1400 chassis (includes back plane)
SRX1400-FAN	SRX1400 fan tray
SRX1400-FAN-BLANK	SRX1400 fan tray cover/door
SRX1400-FLTR	SRX1400 replacement fan filter
SRX1K-PWR-AC	AC power supply for SRX1400
SRX1K-PWR-DC	DC power supply for SRX1400
SRX1K-PWR-BLANK	Blank power supply cover for SRX1400
SRX1K-RE-12-10	Routing Engine with 1200 MHz processor and 1 GB memory for SRX1400 (included in base system)
SRX1K-SYSIO-GE	GE System I/O card with 6 x 10/100/1000 copper and 6 x GbE SFP for SRX1400 (included in GE base system)
SRX1K-SYSIO-XGE	XGE System I/O card with 3 x 10GbE SFP+, 6x10/100/1000 copper and 3xGE SFP for SRX1400 (included in XGE base system)

Model Number	Description
SRX3000 Line Processing Cards Interoperable With SRX1400	
SRX3K-SPC-1-10-40	SPC for SRX1400 and SRX3000 line, single processor, 1 GHz processor, 4 GB memory/CPU
SRX1K3K-NP-2XGE-SFPP	Network Processing and I/O Card for SRX1400 and SRX3000 line
SRX3K-NPC	NPC for SRX1400 and SRX3000 line
Tray for SRX3000 Line Processing Cards	
SRX1K3K-2CFM-TRAY	Double wide tray holder for two single wide SRX3000 line modules
I/O Cards (IOCs)	
SRX1K3K-NP-2XGE-SFPP	SRX1400 and SRX3000 line Network Processing and I/O Card
SRX3K-16GE-SFP	16 x 1GbE SFP I/O card for SRX1400 and SRX3000 line
SRX3K-16GE-TX	16 x 10/100/1000 copper I/O card for SRX1400 and SRX3000 line
SRX3K-2XGE-XFP	2 x 10GbE XFP I/O card for SRX1400 and SRX3000 line
1GbE Transceivers and Optic Modules	
SRX-SFP-1GE-LH	SFP 1000BASE-LH gigabit Ethernet optic module
SRX-SFP-1GE-LX	SFP 1000BASE-LX gigabit Ethernet optic module
SRX-SFP-1GE-SX	SFP 1000BASE-SX gigabit Ethernet optic module
SRX-SFP-1GE-T	SFP 1000BASE-T gigabit Ethernet module (uses Cat 5 cable)
10GbE Transceivers and Optic Modules	
SFP+ Transceivers (for XGE Base System)	
SRX-SFP-10GE-DAC-1M	SFP+ 10GbE direct attach copper (twinax copper cable) 1 m
SRX-SFP-10GE-DAC-3M	SFP+ 10GbE direct attach copper (twinax copper cable) 3 m
SRX-SFP-10GE-ER	SFP+ 10GbE ER optics, 1550 nm for 40 km transmission
SRX-SFP-10GE-LR	SFP+ 10GbE LR optics, 1310 nm for 10 km transmission
SRX-SFP-10GE-LRM	SFP+ 10GbE LRM optics, 1310 nm for 220 m transmission
SRX-SFP-10GE-SR	SFP+ 10GbE SR optics, 850 nm for up to 300 m transmission
XFP Transceivers for 10GbE IOC	
SRX-XFP-10GE-ER	10GbE 40 km single mode pluggable interface
SRX-XFP-10GE-LR	10GbE XFP pluggable transceiver; single mode 1310 nm 10 km reach
SRX-XFP-10GE-SR	10GbE short reach multimode pluggable interface

Model Number	Description
C13 Straight Power Cables[6]	
CBL-JX-PWR-UK	Power cord, AC, Great Britain and Ireland, C19 at 70-80 mm, 13 A/250 V, 2.5 m
CBL-JX-PWR-US	Power cord, AC, Japan/US, NEMA 5-15 to C19 at 70-80 mm, 15 A/125 V, 2.5 m
CBL-JX-PWR-AU	Power cord, AC, Australia/New Zealand, C19 at 70-80 mm, 15 A/250 V, 2.5 m
CBL-JX-PWR-CH	Power cord, AC, China, C19, 16 A/250 V, 2.5 m
CBL-JX-PWR-EU	Power cord, AC, Continental Europe, C19, 16 A/250 V, 2.5 m
CBL-JX-PWR-IT	Power cord, AC, Italy, C19 at 70-80 mm, 16 A/250 V, 2.5 m
CBL-JX-PWR-JP	Power cord, AC, Japan, NEMA 6-20 to C19, 16 A/250 V, 2.5 m

[6] AC power cord for appropriate region is included in base system.

Model Number	Description
AppSecure Subscription	
SRX1400-APPSEC-A-1	One year subscription for Application Security and IPS updates for SRX1400
SRX1400-APPSEC-A-3	Three year subscription for Application Security and IPS updates for SRX1400
SRX1400-APPSEC-A-1-R	One year subscription renewal for Application Security and IPS updates for SRX1400
SRX1400-APPSEC-A-3-R	Three year subscription renewal for Application Security and IPS updates for SRX1400

Model Number	Description
IDP Subscription	
SRX1400-IDP	One year IDP signature subscription for SRX 1400
SRX1400-IDP-3	Three year IDP signature subscription for SRX 1400
SRX1400-IDP-5	Five year IDP signature subscription for SRX 1400

Model Number	Description
UTM Subscription	
SRX1400-CS-BUN-1	One year subscription for AppSecure, IDP, EWF, AV and Anti-spam service on SRX1400
SRX1400-CS-BUN-3	Three year subscription for AppSecure, IDP, EWF, AV and Anti-spam service on SRX1400
SRX1400-CS-BUN-5	Five year subscription for AppSecure, IDP, EWF, AV and Anti-spam service on SRX1400
SRX1400-S-AS-1	One year subscription for Juniper-Sophos Anti-spam service on SRX1400
SRX1400-S-AS-3	Three year subscription for Juniper-Sophos Anti-spam service on SRX1400
SRX1400-S-AS-5	Five year subscription for Juniper-Sophos Anti-spam service on SRX1400
SRX1400-S-AV-1	One year subscription for Juniper-Sophos AV service on SRX1400
SRX1400-S-AV-3	Three year subscription for Juniper-Sophos AV service on SRX1400
SRX1400-S-AV-5	Five year subscription for Juniper-Sophos AV service on SRX1400
SRX1400-W-EWF-1	One year subscription for Juniper-Websense Enhanced Web Filtering service on SRX1
SRX1400-W-EWF-3	Three year subscription for Juniper-Websense Enhanced Web Filtering service on SRX1400
SRX1400-W-EWF-5	Five year subscription for Juniper-Websense Enhanced Web Filtering service on SRX1400

About Juniper Networks

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