K12 Next Generation Firewall Promotion

10, 20 or 40 Gbps Firewalls with Application Security and 3-Years Support

Bandwidth requirements and the criticality of Internet access are at an all-time high and not slowing down, all while threats and attacks are dynamically increasing at your network edge.

Is your 'Next Generation' Firewall up to the challenge? Can your firewall hardware and subscriptions budget scale to meet the new and future requirements?

Juniper Networks – trusted by the carriers and service providers, has a solution for K12 that:

- better scales for Digital Learning
- includes Carrier-Class Reliability and Protocol Support
- includes Advanced Services with Affordable Subscriptions

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The K12 Promotion includes Juniper's latest SRX Series Services Gateways. These next-generation firewall/routers can modernize your network edge, scale up your bandwidth, increase the reliability of access, and make your district more agile as new threats emerge. SRX can also use Juniper's cloud-based threat defense Sky Advanced Threat Protection for scalable malware detection to detect and block malicious activities faster as they enter or traverse the network.

3 Size Packages to Fit Your District/COE Needs Optional Services Subscriptions at K12 SPECIAL PRICES			
K12 Special Pricing Bundle	**10 Gbps NGFW Package**	**20 Gbps NGFW Package**	**40 Gbps NGFW Package**
MODEL INCLUDED	SRX1500	SRX4100	SRX4200
INCLUDED	FW, NAT, IPSec, Routing, Switching, MPLS, Application Security (see page 2)		
INCLUDED	3-Years Juniper Care Next Day and CORE Services		
K12 SPECIAL PRICE OPTIONS	3-Years Sky ATP, Content Security Bundles, IPS, Anti-Spam, Anti-Virus, Enhanced Web Filtering		

Juniper can show you how these next-generation firewalls can perform as part of a comprehensive detection and enforcement system, leveraging the entire network for threat intelligence and detection.

Juniper builds stronger, more secure and trusted networks, thanks to a security portfolio that delivers end-to-end protection from attacks across every environment – from the data center to campus and branch environments to the device itself.

What makes Juniper Networks a stronger choice in securing your school district are:

Top 5 Reasons Juniper Is a Stronger Security Choice For School Districts		
Better Price and Price / Performance	Juniper offers better price / performance than comparable competitive NGFW products	✓
Higher Performance	Juniper provides higher performance than comparable NGFW competitive products	✓
Best in Class Networking	Advanced routing and networking is included. 10GE ports are standard on SRX1500, 4100, 4200	✓
Secure Network Strategy that Finds and Stop Threats Faster	Juniper's unique Software-Define Secure Network (SDSN) provides end-to-end network visibility that secures the entire network to find and stop threats faster. SDSN combines policy, detection and enforcement to centralize and automate security.	✓
Junos Automation Capabilities	Simplifies network deployment and reduces operational costs	✓

Summary

Juniper has a proven history of innovation and technology leadership. As school districts set out to transform their legacy networks, they need to ensure that their networks are secure and highly available. At Juniper, that is what we do best, creating an extraordinary learning experience for students and cutting-edge connected classrooms for teachers and staff, with higher availability, less complexity, and lower costs.

To learn more and receive your special K12 pricing quotation, contact your Juniper Networks sales representative, Juniper Authorized Reseller or email us at cetpa@juniper.net

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At-A-Glance: Juniper SRX1500, 4100 and 4200 Series Services Gateways

The SRX Series delivers firewall performance and reliability to ensure that your network stays secure, fast, and operational with a single-box solution. They can perform deep packet inspection and apply role-based access policies, giving you granular control. SRX Series firewalls work with our integrated threat defense and intelligence portfolio to provide essential security services that guard against botnets, command and control servers, advanced persistent threats (APT), and zero-day threats. You can easily add security services such as application visibility and control (AppSecure), intrusion prevention system (IPS), unified threat management (UTM), Sky Advanced Threat Protection and Spotlight Secure Threat Intelligence feeds. The SRX Series can be centrally managed using Junos® Space Security Director.

	SRX1500	SRX4100	SRX4200
Total Onboard Ports	16x1GbE and 4x10GbE	8x10GbE	8x10GbE
Firewall Performance (max) Firewall Performance – IMIX	10 Gbps	40 Gbps 20 Gbps	80 Gbps 40 Gbps
IPS Performance	3 Gbps	10 Gbps	20 Gbps
VPN Performance	2 Gbps	5 Gbps	10 Gbps
Maximum Concurrent Sessions	2 million	5 million	10 million
New sessions/second (sustained, TCP, 3-Way)	50,000	120,000	240,000
Maximum Security Policies	16,000	16,000	16,000
Maximum Security Intelligence Data Feed Entries in Firewall Rules Database	N/A	Up to 1 million IP address; separate allocation (capacity) for URLs	

Software Specifications

Firewall Services
- Stateful and stateless firewall
- Zone-based firewall
- Screens and distributed denial of service (DDoS) protection
- Protection from protocol and traffic anomalies
- Unified Access Control (UAC)

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

VPN Features
- Tunnels: Generic routing encapsulation (GRE), IP-IP, IPsec
- Site-site IPsec VPN, auto VPN, group VPN
- IPsec crypto algorithms: Data Encryption Standard (DES), triple DES (3DES), Advanced Encryption Standard (AES-256)
- IPsec authentication algorithms: MD5, SHA-1, SHA-128, SHA-256
  - Pre-shared key and public key infrastructure (PKI) (X.509)
  - Perfect forward secrecy, anti-reply
  - IPv4 and IPv6 IPsec VPN
  - Multi-proxy ID for site-site VPN
  - Internet Key Exchange (IKEv1, IKEv2), NAT-T
  - Virtual router and quality-of-service (QoS) aware
- Standard-based dead peer detection (DPD) support

High Availability Features
- Virtual Router Redundancy Protocol (VRRP)
- Stateful high availability
  - Dual box clustering
  - Active/passive
  - Active/active
  - Configuration synchronization
  - Firewall session synchronization
  - Device/link detection
- IP monitoring with route and interface failover

Application Security Services
- Application visibility and control
- Application-based firewall
- Application QoS
- User-based firewall
- Intrusion prevention
- Antivirus
- Antispam
- Category/reputation-based URL filtering
- SSL forward proxy

Threat Defense and Intelligence Services
- Spotlight Secure threat intelligence
- Protection from botnets (command and control)
- Adaptive enforcement based on GeoIP
- Sky Advanced Threat Prevention to detect and block zero- day attacks

Routing Protocols
- IPv4, IPv6, static routes, RIP v1/v2
- OSPF/OSPF v3
- BGP with route reflector
- IS-IS
- Multicast: Internet Group Management Protocol (IGMP) v1/v2; Protocol Independent Multicast (PIM) sparse mode (SM)/dense mode (DM)/source-specific multicast (SSM); Session Description Protocol (SDP); Distance Vector Multicast Routing Protocol (DVMRP); Multicast Source Discovery Protocol (MSDP); Reverse Path Forwarding (RPF)
- Encapsulation: VLAN, Point-to-Point Protocol over Ethernet (PPPoE)
- Virtual routers
- Policy-based routing, source-based routing
- Equal-cost multipath (ECMP)

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

Network Services
- Dynamic Host Configuration Protocol (DHCP) client/server/ relay
- Domain Name System (DNS) proxy, dynamic DNS (DDNS)
- Juniper real-time performance monitoring (RPM) and IP monitoring
- Juniper flow monitoring (J-Flow)

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

Management, Automation, Logging, and Reporting
- SSH, Telnet, SNMP
- Smart image download
- Juniper CLI and Web UI
- Juniper Networks Junos Space and Security Director
- Python
- Junos events, commit, and OP scripts
- Application and bandwidth usage reporting
- Debug and troubleshooting tools

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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