



Dell PowerConnect J-SRX100

Dell™ PowerConnect™ J-SRX Series are services gateways that provide essential capabilities that connect, secure, and manage work force locations sized from handfuls to hundreds of users. By consolidating fast, highly available switching, routing, security, and applications capabilities in a single device, enterprises can economically deliver new services, safe connectivity, and a satisfying end user experience. All Dell PowerConnect J-SRX Series services gateways, including products scaled for the branch, campus and data center applications, are powered by Junos® OS—the established operating system that provides consistency, outstanding performance with services, and superb infrastructure protection at a low total cost of ownership.

Dell PowerConnect J-SRX Series services gateways provide perimeter security, content security, access control, and network-wide threat visibility and control. State-of-the-art firewall and VPN technologies secure the perimeter with minimal configuration and consistent performance. By using zones and policies, even new network administrators can configure and deploy J-SRX Series quickly and securely.

Policy-based VPNs support complex security architectures that require dynamic addressing and split tunneling. For content security, the J-SRX Series offers a comprehensive suite of Unified Threat Management (UTM) services consisting of intrusion prevention system (IPS), antivirus, antispam, Web filtering and data loss prevention via content filtering to protect your network from the latest content borne threats. Select models feature Content Security Accelerator for high-performance IPS and antivirus performance.

Select models in the J-SRX family feature serial, T1/E1, xDSL, and third generation (3G) cellular wireless options for WAN or Internet connectivity to securely link your sites. A variety of form factors allow you to make cost-effective choices for mission-critical deployments. Managing the network is easy using the established Junos OS command-line interface (CLI) and scripting capabilities, or an easy to use Web-based GUI.

The Dell PowerConnect J-SRX Series integrates with other security products to deliver enterprise-wide unified access control and adaptive threat management. These capabilities give security professionals powerful tools in the fight against cybercrime and data loss.

Dell PowerConnect J-SRX Series Services Gateways

Unified Threat Management
services for the distributed
enterprise

Feature	Dell™ PowerConnect™ J-SRX100
Maximum Performance and Capacity	
Firewall performance (large packets)	650 Mbps
Firewall performance (IMIX)	200 kpps
Firewall + routing PPS (64 Byte)	75 Kbps
AES256+SHA-1/3DES+SHA-1 VPN performance	65 Mbps
IPsec VPN Tunnels	128
IPS (intrusion prevention system)	60 Mbps
Antivirus	25 Mbps
Connections per second	2,000
Maximum concurrent sessions	16 K / 32 K
DRAM options	512 MB / 1 GB DRAM
Maximum security policies	384
Maximum users supported	Unrestricted
Network Connectivity	
Fixed I/O	8 x 10/100
I/O slots	N/A
Services and Routing Engine slots	N/A
ExpressCard slot (3G WAN)	No
WAN/LAN interface options	N/A
Optional maximum number of PoE ports	N/A
USB	1
IPsec VPN	
Concurrent VPN tunnels	128
Tunnel interfaces	10
DES (56-bit), 3DES (168-bit) and AES (256-bit)	Yes
MD-5 and SHA-1 authentication	Yes
Manual key, Internet Key Exchange (IKE), public key infrastructure (PKI) (X.509)	Yes
Perfect forward secrecy (DH Groups)	1,2,5
Prevent replay attack	Yes
Dynamic remote access VPN	Yes
IPsec NAT traversal	Yes
Redundant VPN gateways	Yes
Firewall	
Network attack detection	Yes
DoS and DDoS protection	Yes
TCP reassembly for fragmented packet protection	Yes
Brute force attack mitigation	Yes
SYN cookie protection	Yes
Zone-based IP spoofing	Yes
Malformed packet protection	Yes

Feature	Dell™ PowerConnect™ J-SRX100
Unified Threat Management¹	
Intrusion Prevention System (IPS)	Yes
Protocol anomaly detection	Yes
Stateful protocol signatures	Yes
Intrusion prevention system (IPS) attack pattern obfuscation	Yes
Customer signatures creation	Yes
Frequency of updates	Daily and emergency
Antivirus	
Express AV (packet-based AV)	No
File-based antivirus	Yes
Signature database	Yes
Protocols scanned	POP3, HTTP, SMTP, IMAP, FTP
Antispyware	Yes
Antiadware	Yes
Antikeylogger	Yes
Antispam	Yes
Integrated Web filtering	Yes
Redirect Web filtering	Yes
Content filtering	Yes
Based on MIME type, file extension, and protocol commands	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)
Weight (Device and Power supply)	2.5 lb (1.1 kg)
Rack mountable	Yes, 1 RU
Power supply (AC)	100-240 VAC, 30 W
Maximum PoE power	N/A
Average power consumption	10 W
Input frequency	50-60 Hz
Maximum current consumption	0.25 A @ 100 VAC
Maximum inrush current	60 A
Average heat dissipation	35 BTU/hr
Maximum heat dissipation	80 BTU/hr
Redundant power supply (hot swappable)	No
Acoustic noise level (Per ISO 7779 Standard)	0 dB (fanless)

¹Unified Threat Management- antivirus, antispam, Web filtering and IPS require a subscription license and the high memory system 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.

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