NSMXPRESS

Product Overview

Now more than ever, network operators need the ability to easily manage security policies and to have visibility into potential security concerns in the network. At the same time, they need to invest their time in monitoring and operating secure networks. Juniper Networks NSMXpress enables IT departments not only to control the entire device life cycle with a single, centralized solution, but also provides visibility with a complete set of investigative and reporting tools.

Product Description

Juniper Networks® NSMXpress is an appliance version of Juniper Networks Network and Security Manager (NSM). It simplifies the complexity of security device administration by providing a single integrated management interface that controls every device parameter. This robust hardware management system installs in minutes with full High Availability (HA) support, which also makes it easy to scale and deploy. Enterprise customers with limited resources can benefit significantly from NSMXpress. That is because it eliminates the need to have dedicated resources for maintaining a security management solution. NSMXpress makes it easy for administrators to control all aspects of Juniper Networks firewall/VPN, SA Series SSL VPN Appliances, IC Series Unified Access Control Appliances, J Series Services Routers, EX Series Ethernet Switches, and IDP Series Intrusion Detection and Prevention Appliances which include device configuration, network settings and security policy.

NSMXpress has the following features:
- Provides appliance version of NSM
- Offers centralized, end-to-end device life cycle management for granular control of configuration, network settings and security policies
- Allows for delegation of administrative roles, which provides relevant access to those who need it
- Offers easy installation with operational efficiency that delivers lower total cost of ownership (TCO)
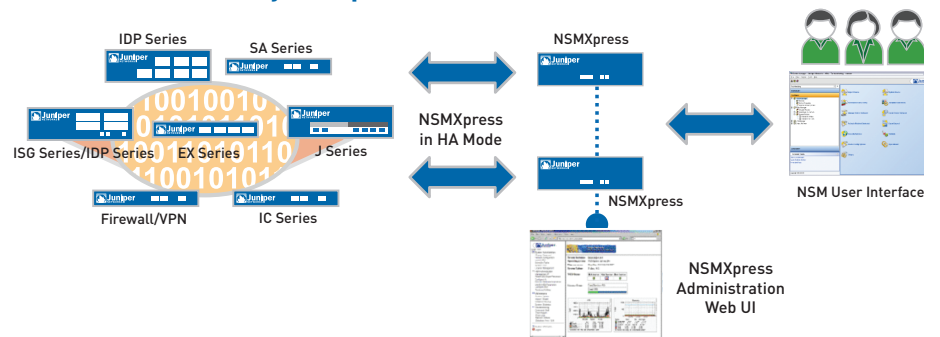- Provides dedicated HA support

Architecture and Key Components

Figure 1. Managed Juniper Networks devices

Features and Benefits

FEATURES	FEATURE DESCRIPTION	BENEFITS
Hardened OS	Juniper Networks security team monitors and maintains NSMXpress OS, which is optimized for performance and security.	Users don't have to worry about security vulnerabilities, support or patch management for the OS.
Web management	Intuitive Web UI for managing and maintaining NSMXpress.	Allows users to configure common NSMXpress parameters and tasks like network settings, scheduling updates, troubleshooting, utilities and backups via a Web interface.
Recovery option	Menu-driven recovery option allows users to revert back to factory defaults or restore to the last configuration.	Users can easily reset the box to its original state or quickly restore lost data.
Scheduled database backups	NSMXpress supports both local and remote backups. By default it will perform nightly back-ups locally.	Users can set up an automatic task for backing up their data either locally or remotely.
Status monitoring	The system monitors the status of NSMXpress and sends daily emails to the administrator regarding the health of the appliance.	Users can monitor and maintain the health of the appliance.
Server role option	Ability exists to choose the role of the appliance to be either a regional server or central manager.	User will get a chance to change the role of the server if needed. This is a one-time switch.
Central update	Updates are available in one place. NSMXpress can perform either automatic or manual updates.	It can download the latest OS upgrades and update NSM Attack DB through proxy settings.
One stop support	Juniper Technical Assistance Center (JTAC) supports all aspects of NSMXpress.	Users don't have to go to several places to get support.

Juniper Networks Device Support

NSMXPRESS	NUMBER OF DEVICES SUPPORTED
J Series	100
EX Series	150
Firewall/VPN	200
IDP Series only	15
Firewall/VPN + IDP Series	10 (5 running profiler)
SA Series	60
IC Series	60
North Bound Interface (NBI) clients	5
NSM GUI clients	10
NSMXPRESS DEDICATED SUPPORT	NUMBER OF DEVICES SUPPORTED
Firewall/VPN only	500
IDP Series only	50
Firewall/VPN + IDP Series only	10 (5 running profiler)
SA Series	60
IC Series	60
North Bound Interface (NBI) clients	5
NSM GUI clients	10

NSMXPRESS

Specifications

Dimensions (W x H x D)

- 16.7 x 3.5 x 16.2 in (42.42 x 8.89 x 41.15 cm)

Weight (lb/kg)

- 28.5 lb (12.94 kg) typical (unboxed)

Rack Mountable

- Yes, 19 in

A/C Power Supply

- 100-240 VAC, 50-60 Hz, 2.5 A, 260 Watts

System Battery

- CR2032 3 V lithium coin cell

Efficiency

- 65 percent minimum, at full load

MTBF

- 78,000 hours

Material

- 18 gauge (.048 in) cold-rolled steel

Specifications (continued)

Fans

- Two externally accessible, hot-swappable ball-bearing fans

Panel Display

- Front panel power button
- Power LED, temp
- HDD activity

Ports

Traffic
- Two RJ-45 Ethernet-10/100/1000 full or half-duplex (auto-negotiation)

Management
- One RJ-45 Ethernet-10/100/1000 full or half-duplex (auto-negotiation)

Fast Ethernet
- IEEE 802.3u compliant

Gigabit Ethernet
- IEEE 802.3z or IEEE 802.3ab compliant

Console
- One 9-pin serial console port

Environment

Operating
- 50° to 95° F (10° to 35° C)

Storage
- -40° to 158° F (-40° to 70° C)

Relative humidity (operating)
- 8 to 90 percent noncondensing

Relative humidity (storage)
- 5 to 90 percent noncondensing

Altitude (operating)
- -50 to 10,000 ft (3,000 m)

Altitude (storage)
- -50 to 35,000 ft (10,600 m)

Power Consumption

Thermal dissipation
- 416 BTU/hr (typical)

Thermal dissipation
- 470 BTU/hr (max single power supply)

Thermal dissipation
- 559 BTU/hr (max dual power supply)

Peak inrush current
- 50 A Max. @ 115 VAC, 80 A Max. @ 230 VAC

Certifications

Safety certifications
- EN60950-1:2001+ A11, UL60950-1:2003, CSA C22.2 No. 60950-1, IEC 60950-1:2001

Emissions certifications
- FCC class A, VCCI class A, CE class A

Warranty
- 90 Days

Performance-Enabling 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, faster rollouts of new business models and ventures, and greater market reach, while generating higher levels of customer satisfaction. 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/products-services.

Ordering Information

MODEL NUMBER	DESCRIPTION
NS-SM-A-BSE	NSMXpress, 25 devices
NS-SM-A-HA	NSMXpress, HA
NS-SM-S-BSE	Network and Security Manager, 25 devices
NS-SM-ADD-50	Network and Security Manager, additional 50 devices
NS-SM-ADD-100	Network and Security Manager, additional 100 devices
NS-SM-ADD-500	Network and Security Manager, additional 500 devices
NS-SM-ADD-1K	Network and Security Manager, additional 1000 devices

Juniper Networks Device & Software Support

- **Juniper Networks EX Series Ethernet Switches:**
  EX3200 line and EX4200 line

- **Juniper Networks IC Series Unified Access Control Appliances:**
  IC4000, IC4500, IC6000, IC6500

- **Juniper Networks ISG Series Integrated Security Gateways:**
  ISG1000, ISG1000 w/IDP, ISG2000, ISG2000 w/IDP

- **Juniper Networks IDP Series Intrusion Detection and Prevention Appliances:**
  IDP10, IDP50, IDP75, IDP100, IDP200, IDP250, IDP500, IDP600, IDP800, IDP1000, IDP1100, IDP8200

- **Juniper Networks J Series Services Routers:**
  J2320, J2350, J4350, J6350

- **Juniper Networks NetScreen Series Security Systems:**
  Juniper Networks NetScreen-Hardware Security Client (HSC), NetScreen-5GT, NetScreen-5GT ADSL, NetScreen-5XP, NetScreen-5XT, NetScreen-25, NetScreen-50, NetScreen-204, NetScreen-208, NetScreen-500, NetScreen-500 GPRS, NetScreen-5200, NetScreen-5400

- **Juniper Networks SA Series SSL VPN Appliances:**
  SA2000, SA2500, SA4000, SA4000 FIPS, SA4500, SA4500 FIPS, SA6000, SA6000 FIPS, SA6500, SA6500 FIPS

- **Juniper Networks SSG Series Secure Services Gateways:**
  SSG5, SSG20, SSG140, SSG320M, SSG350M, SSG520, SSG520M, SSG550, SSG550M

Juniper Networks JUNOS® Software Support
• JUNOS Software version 9.0 and above

Juniper Networks ScreenOS® Support
• ScreenOS version 5.0.0 and above

IDP Series Support
• IDP Series version 4.0 and above

Juniper Networks IVE Support
• SA Series version 6.3 and above

IC Series Support
• IC Series version 2.2 and above

Note: For more information on Network and Security Manager, please refer to the datasheet.

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**.

To purchase Juniper Networks solutions, please contact your Juniper Networks representative at **1-866-298-6428** or authorized reseller.

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