

Juniper Networks NetScreen-25/50



The Juniper Networks NetScreen-25 and NetScreen-50 offer a complete security solution for enterprise branch and remote offices as well as small and medium size companies. Featuring four auto-sensing 10/100 Ethernet ports, the NetScreen-25 and NetScreen-50 provide solutions for perimeter security with multiple DMZs, VPNs for wireless LAN security, or protection of internal networks. The NetScreen-25 has the same number of Ethernet interfaces and offers 100 Mbps of firewall and 20 Mbps of 3DES or AES VPN performance, with support for 32,000 concurrent sessions and 125 VPN tunnels. The NetScreen-50 is a high performance security appliance, offering 170 Mbps of firewall and 45 Mbps of 3DES or AES VPN performance, with support for 64,000 concurrent sessions and 500 VPN tunnels.

	Juniper Networks NetScreen-25 ⁽¹⁾	Juniper Networks NetScreen-50 ⁽¹⁾		Juniper Networks NetScreen-25 ⁽¹⁾	Juniper Networks NetScreen-50 ⁽¹⁾
Maximum Performance and Capacity⁽⁴⁾			Firewall and VPN User Authentication		
ScreenOS version support	ScreenOS 5.4	ScreenOS 5.4	Built-in (internal) database - user limit	up to 250	Up to 250
Firewall performance	100 Mbps	170 Mbps	3rd Party user authentication	RADIUS, RSA SecurID, and LDAP	Up to 250 RADIUS, RSA SecurID, and LDAP
3DES + SHA-1 performance	20 Mbps	45 Mbps	XAUTH VPN authentication	Yes	Yes
Concurrent sessions	32,000	64,000	Web-based authentication	Yes	Yes
New sessions/second	4,000	5,000	PKI Support		
Policies	500	1,000	PKI Certificate requests (PKCS 7 and PKCS 10)	Yes	Yes
Interfaces	4 10/100 Base-T	4 10/100 Base-T	Automated certificate enrollment (SCEP)	Yes	Yes
Mode of Operation			Online Certificate Status Protocol (OCSP)	Yes	Yes
Layer 2 mode (transparent mode) ⁽²⁾	Yes	Yes	Self Signed Certificates	Yes	Yes
Layer 3 mode (route and/or NAT mode)	Yes	Yes	Certificate Authorities Supported		
NAT (Network Address Translation)	Yes	Yes	Verisign	Yes	Yes
PAT (Port Address Translation)	Yes	Yes	Entrust	Yes	Yes
Policy-based NAT	Yes	Yes	Microsoft	Yes	Yes
Virtual IP	2	2	RSA Keon	Yes	Yes
Mapped IP	500	500	iPlanet (Netscape)	Yes	Yes
MIP/VIP Grouping	Yes	Yes	Baltimore	Yes	Yes
Users supported	Unrestricted	Unrestricted	DOD PKI	Yes	Yes
Firewall			Logging/Monitoring		
Number of network attacks detected	31	31	Syslog (multiple servers)	External, up to 4 servers	External, up to 4 servers
Network attack detection	Yes	Yes	E-mail (2 addresses)	Yes	Yes
DoS and DDoS protections	Yes	Yes	NetIQ WebTrends	External	External
TCP reassembly for fragmented packet protection	Yes	Yes	SNMP (v1, v2)	Yes	Yes
Malformed packet protections	Yes	Yes	Standard and custom MIB	Yes	Yes
IPS (Deep Inspection FW)	Yes	Yes	Traceroute	Yes	Yes
Protocol anomaly	Yes	Yes	At session start and end	Yes	Yes
Stateful protocol signatures	Yes	Yes	Virtualization		
Content Inspection	Yes	Yes	Custom security zones	4	4
Embedded antivirus	No	No	Virtual routers (VRs)	3	3
Embedded Anti-Spam	Yes	Yes	VLANs supported	16	16
Malicious Web filtering	up to 48 URLs	up to 48 URLs	Routing		
External Web filtering (Websense or SurfControl)	Yes	Yes	OSPF/BGP Dynamic routing	3 instances each	3 instances each
Integrated Web filtering	Yes	Yes	RIPv1/v2 Dynamic routing	3 instances	3 instances
Brute force attack mitigation	Yes	Yes	Static routes	2,048	2,048
Deep Inspection (DI) attack pattern obfuscation	Yes	Yes	Source Based Routing, Source Interface Based Routing	Yes	Yes
Zone-based IP spoofing	Yes	Yes	Equal cost multi-path routing	Yes	Yes
VPN			High Availability (HA)		
Concurrent VPN tunnels	125	500	HA mode	HA Lite	Active/Passive
Tunnel interfaces	25	50	Firewall/VPN session synchronization	No	Yes
DES (56-bit), 3DES (168-bit) and AES encryption	Yes	Yes	Redundant Interfaces	Yes	Yes
Manual Key, IKE, PKI (X.509)	Yes	Yes	Configuration synchronization	Yes	Yes
Perfect forward secrecy (DH Groups)	1,2,5	1,2,5	Device failure detection	Yes	Yes
Prevent replay attack	Yes	Yes	Link failure detection	Yes	Yes
Remote access VPN	Yes	Yes	Authentication for new HA members	Yes	Yes
L2TP within IPSec	Yes	Yes	Encryption of HA traffic	Yes	Yes
Dead Peer Detection	Yes	Yes	VoIP		
IPSec NAT Traversal	Yes	Yes	H.323 ALG	Yes	Yes
Redundant VPN gateways	Yes	Yes	SCCP ALG	Yes	Yes
VPN tunnel monitor	Yes	Yes	SIP ALG	Yes	Yes
			MGCP ALG	Yes	Yes
			NAT for H.323/SIP/SCCP/MGCP	Yes	Yes

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IP Address Assignment		
Static	Yes	Yes
DHCP, PPPoE client	Yes	Yes
Internal DHCP server	Yes	Yes
DHCP Relay	Yes	Yes

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System Management		
WebUI (HTTP and HTTPS)	Yes	Yes
Command Line Interface (console)	Yes	Yes
Command Line Interface (telnet)	Yes	Yes
Command Line Interface (SSH)	Yes, v1.5 and v2.0 compatible	Yes, v1.5 and v2.0 compatible
NetScreen-Security Manager	Yes	Yes
All management via VPN tunnel on any interface	Yes	Yes
SNMP Full Custom MIB	Yes	Yes
Rapid deployment	Yes	Yes

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Administration		
Local administrators database	20	20
External administrator database	RADIUS/LDAP/SecurID	RADIUS/LDAP/SecurID
Restricted administrative networks	6	6
Root Admin, Admin, and Read Only user levels	Yes	Yes
Software upgrades	TFTP/ WebUI/SCP/NSM	TFTP/ WebUI/SCP/NSM
Configuration Roll-back	Yes	Yes

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Traffic Management		
Guaranteed bandwidth	Yes	Yes
Maximum bandwidth	Yes	Yes
Ingress Traffic Policing	Yes	Yes
Priority-bandwidth utilization	Yes	Yes
DiffServ stamp	Yes	Yes

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External Flash		
CompactFlash™	Supports 96, 128 or 512 MB Industrial Grade SanDisk	Supports 96, 128 or 512 MB Industrial Grade SanDisk
Event logs and alarms	Yes	Yes
System config script	Yes	Yes
ScreenOS software	Yes	Yes

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Dimensions and Power		
Dimensions (H/W/L)	1.73/17.5/10.8 inches	1.73/17.5/10.8 inches
Weight	8 lbs.	8 lbs.
Rack mountable	19" standard, 23" optional	19" standard, 23" optional
Power Supply (AC)	90 to 264 VAC, 45 watts	90 to 264 VAC, 45 watts
Power Supply (DC)	-36 to -72 VDC, 50 watts	-36 to -72 VDC, 50 watts

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Certifications		
Safety Certifications	UL, CUL, CSA, CB	
EMC Certifications	FCC class A, BSMI Class A, CE class A, C-Tick, VCCI class A	

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Environment		
Operational temperature:	23 to 122° F, -5 to 50° C	
Non-operational temperature:	-4 to 158° F, -20 to 70° C	
Humidity:	10 to 90% non-condensing	

MTBF (Bellcore model)

NetScreen-25: 8.1 years, NetScreen-50: 8.1 years

Security Certifications (Advanced models only)

Common Criteria: EAL4 and EAL4+

Licensing Options: The NetScreen-25 and NetScreen-50 are both available with two licensing options to provide two different levels of functionality and capacity.

Advanced Models: The Advanced software license provides all of the features and capacities listed within this specsheet.

Baseline Models: The Baseline software license provides an entry-level solution for customer environments where features such as Deep Inspection™, OSPF and BGP dynamic routing, advanced High Availability, and full capacity are not critical requirements. The following table shows the features and capacities that are different than the Advanced models:

	NetScreen-25 Baseline	NetScreen-50 Baseline
Sessions	24,000	48,000
Site-to-site tunnels	50	150
Remote Access Tunnels	Shared w/site-to-site	Shared w/site-to-site
Deep Inspection Firewall	N/A	N/A
VLANs	0	0
OSPF/BGP	N/A	N/A
High Availability (HA)	HA Lite*	HA Lite*
NetScreen Security Manager	Supported	Supported

*HA Lite provides configuration synchronization only (does not provide session or tunnel synchronization)

Ordering Information

Product		Part Number
Juniper Networks NetScreen-50 w/ AC power supply		
NetScreen-50	US power cord	NS-050-001
NetScreen-50F*	US power cord	NS-050-101
NetScreen-50	UK power cord	NS-050-003
NetScreen-50F*	UK power cord	NS-050-103
NetScreen-50	European power cord	NS-050-005
NetScreen-50F*	European power cord	NS-050-105
NetScreen-50	Japanese power cord	NS-050-007
NetScreen-50F*	Japanese power cord	NS-050-107

*"F" products do not include VPN functionality (international only)

Product		Part Number
Juniper Networks NetScreen-50 w/ DC power supply		
NetScreen-50	w/DC power supply DC power	NS-050-001-DC

Product		Part Number
Juniper Networks NetScreen-25 w/ AC power supply		
NetScreen-25	US power cord	NS-025-001
NetScreen-25	UK power cord	NS-025-003
NetScreen-25	European power cord	NS-025-005
NetScreen-25	Japanese power cord	NS-025-007

Product		Part Number
Baseline Products		
NetScreen-50 Baseline	US power cord	NS-050B-001
NetScreen-50 Baseline	UK power cord	NS-050B-003
NetScreen-50 Baseline	European power cord	NS-050B-005
NetScreen-50 Baseline	Japanese power cord	NS-050B-007
NetScreen-50 Baseline to Advanced Upgrade		NS-050-UPG-A
NetScreen-25 Baseline	US power cord	NS-025B-001
NetScreen-25 Baseline	UK power cord	NS-025B-003
NetScreen-25 Baseline	European power cord	NS-025B-005
NetScreen-25 Baseline	Japanese power cord	NS-025B-007
NetScreen-25 Baseline to Advanced Upgrade		NS-025-UPG-A

(1) Performance, capacity and features listed are based upon systems running ScreenOS 5.4 and are the measured maximums under ideal testing conditions unless otherwise noted. Actual results may vary based on ScreenOS release and by deployment.

(2) The following features are not supported in Layer 2 (transparent mode): NAT, PAT, policy based NAT, virtual IP, mapped IP, VLANs, OSPF, BGP, RIPv2, Active/Active HA, and IP address assignment.



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