

Juniper Networks NetScreen-Hardware Security Client



The Juniper Networks NetScreen-Hardware Security Client, combined with NetScreen-Security Manager, is Juniper's most cost effective security solution for the fixed telecommuter and small remote office. It can easily be deployed and managed in large deployments with Juniper Network's Rapid Deployment capabilities, eliminating expensive staging steps. Using the same operating system as all NetScreen firewall and VPN solutions, the NetScreen-Hardware Security Client is able to provide the same level of protection as is found at the central sites. In addition, the NetScreen-Hardware Security Client has an embedded antivirus feature which provides an additional layer of application-level protection to help eliminate virus threats from the network. As a device designed for the telecommuter/remote office environment, the NetScreen-Hardware Security Client requires the use of Juniper Networks NetScreen-Security Manager to manage the device.

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Maximum Performance and Capacity⁽⁴⁾

Firewall performance	50 Mbps
3DES performance	10 Mbps
Deep Inspection performance	50 Mbps
Concurrent sessions	1,000
New sessions/second	1,000
Policies	50
Interfaces	5 10/100 Base-T

Mode of Operation

Layer 2 mode (transparent mode) ⁽²⁾	No
Layer 3 mode (route and/or NAT mode)	Yes
NAT (Network Address Translation)	Yes
PAT (Port Address Translation)	Yes
Home/work zones	Yes
Dual Untrust	No
Dial backup	No
Policy-based NAT	Yes
Users supported	5

Firewall

Number of network attacks detected	31
Network attack detection	Yes
DoS and DDoS protections	Yes
TCP reassembly for fragmented packet protection	Yes
Malformed packet protections	Yes
Deep Inspection firewall	Yes
Protocol anomaly	Yes
Stateful protocol signatures	Yes
DI Protocols supported	HTTP, FTP, SMTP, POP, IMAP, DNS NetBIOS/SMB, MS-RPC, P2P, IM
Number of application attacks detected w/DI	over 600
Content Inspection	Yes
Embedded antivirus	Yes
Malicious Web filtering	Up to 48 URLs
External Web filtering (Websense or SurfControl)	Yes
Integrated Web filtering	Yes

VPN

Concurrent VPN tunnels	2
Tunnel interfaces	3
DES (56-bit), 3DES (168-bit) and AES encryption	Yes
MD-5 and SHA-1 authentication	Yes
Manual Key, IKE, PKI (X.509)	Yes
Perfect forward secrecy (DH Groups)	1,2,5
Prevent replay attack	Yes
Remote access VPN	Yes
L2TP within IPSec	Yes
IPSec NAT traversal	Yes
Redundant VPN gateways	Yes
VPN tunnel monitor	Yes

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Antivirus

Embedded Scan Engine	Yes
Antivirus signatures	> 80,000
Protocols (POP3,SMTP,HTTP, IMAP, FTP)	Yes
HTTP Webmail only	Yes
Maximum AV Users	5
Automated Pattern file updates	Yes

Firewall and VPN User Authentication

Built-in (internal) database - user limit	up to 100
3rd Party user authentication	RADIUS, RSA SecurID, and LDAP
XAUTH VPN authentication	Yes
Web-based authentication	Yes

Logging/Monitoring

Syslog (multiple servers)	External, up to 4 servers
E-mail (2 addresses)	Yes
NetIQ WebTrends	External
SNMP (v1, v2)	Yes
Standard and custom MIB	Yes
Traceroute	Yes

Virtualization

Virtual Routers (VRs)	2
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Routing

OSPF/BGP dynamic routing	No
RIPv1/v2 dynamic routing	2 instances
Static routes	1,024
Source-based routing	Yes
Equal cost multi-path routing	Yes

High Availability (HA)

Dial backup	No
Dual Untrust	No

VoIP

H.323 ALG	Yes
SIP ALG	Yes
NAT for H.323/SIP	Yes

IP Address Assignment

Static	Yes
DHCP, PPPoE client	Yes
Internal DHCP server	Yes
DHCP relay	

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PKI Support

PKI certificate requests (PKCS 7 and PKCS 10)	Yes
Automated certificate enrollment (SCEP)	Yes
Online Certificate Status Protocol (OCSP)	Yes
Self Signed Certificates	Yes
Certificate Authorities Supported	
Verisign	Yes
Entrust	Yes
Microsoft	Yes
RSA Keon	Yes
iPlanet (Netscape)	Yes
Baltimore	Yes
DOD PKI	Yes

System Management

WebUI (HTTP and HTTPS)	Limited ⁽⁵⁾
Command Line Interface (console)	No
Command Line Interface (telnet)	Yes
Command Line Interface (SSH)	Yes, v1.5 and v2.0 compatible
NetScreen-Security Manager	Yes
All management via VPN tunnel on any interface	Yes
Rapid deployment	Yes

Administration

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

Traffic Management

Guaranteed bandwidth	Yes
Maximum bandwidth	Yes
Priority-bandwidth utilization	Yes
DiffServ stamp	Yes

Dimensions and Power

Dimensions (H/W/L)	1/8.25/5 inches
Weight	1.3 lbs.
Rack mountable	Yes, with separate kit
Power Supply (AC)	12 VDC, 12 W
90 to 264 VAC to power supply with regional linear supply	12 VDC, 12 W
Power Supply (DC)	No

Certifications

Safety Certifications
UL, CUL, CSA (5XT only), CB
EMC Certifications
FCC class B, BSMI Class A, CE class B, C-Tick, VCCI class B

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 (Belcore model)

NetScreen-HSC: 8.5 years

Ordering Information

Product		Part Number
Juniper Networks NetScreen-HSC with AV		
NetScreen-HSC	US linear supply	NS-HSC-001-AV
NetScreen-HSC	UK linear supply	NS-HSC-003-AV
NetScreen-HSC	Europe linear supply	NS-HSC-005-AV
NetScreen-HSC	Japan linear supply	NS-HSC-007-AV

(1) Performance and capacity provided are the measured maximums under ideal testing conditions. May vary by deployment and features enabled.
(2) The following features are not supported in Layer 2 (transparent mode): NAT, PAT, policy based NAT, virtual IP, mapped IP, OSPF, BGP, RIPv2, and IP address assignment. Transparent mode only works in trust/untrust mode.
(3) The NetScreen-Hardware Security Client should be managed by NetScreen-Security Manager. Policy configuration cannot be done via the WebUI.



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