

Juniper Networks NetScreen-5XT



The Juniper Networks NetScreen-5XT is a feature rich enterprise-class network security solution with one Untrust 10/100 Ethernet port, four Trust 10/100 Ethernet ports, a console port and a modem port. Using the same firewall, VPN, and DoS mitigation technology as NetScreen's high-end central site products, the NetScreen-5XT is fully capable of securing a remote office, retail outlet, or a broadband telecommuter. The NetScreen-5XT supports dial-backup or dual Ethernet ports for redundant Internet connections when network uptime is business critical. The NetScreen-5XT has received Common Criteria and FIPS certifications.

Juniper Networks NetScreen-5XT		Juniper Networks NetScreen-5XT	
Maximum Performance and Capacity⁽⁴⁾		VPN (cont'd)	
ScreenOS version support	ScreenOS 5.2	L2TP within IPSec	Yes
Firewall performance	70 Mbps	IPSec NAT traversal Y	es
3DES performance	20 Mbps	Redundant VPN gateways	Yes
Deep Inspection performance	55 Mbps	VPN tunnel monitor	Yes
Concurrent sessions	2,000	Firewall and VPN User Authentication	
New sessions/second	2,000	Built-in (internal) database - user limit	up to 100
Policies	100	3rd Party user authentication	RADIUS, RSA, SecurID, and LDAP
Interfaces	5 10/100 Base-T	XAUTH VPN authentication	Yes
Mode of Operation		Web-based authentication	Yes
Layer 2 mode (transparent mode) ⁽²⁾	Yes	Logging/Monitoring	
Layer 3 mode (route and/or NAT mode)	Yes	Syslog (multiple servers)	External, up to 4 servers
NAT (Network Address Translation)	Yes	E-mail (2 addresses)	Yes
PAT (Port Address Translation)	Yes	NetIQ WebTrends	External
Home/work zones	Yes	SNMP (v1, v2)	Yes
Dual Untrust	Yes	Standard and custom MIB	Yes
Dial backup	Yes	Traceroute	Yes
Policy-based NAT	Yes	Virtualization	
Virtual IP	1	Virtual Routers (VRs)	2, 3 with home/work
Mapped IP	32	Routing	
Users supported	10 or Unrestricted	OSPF/BGP dynamic routing	3 instances each
Firewall		RIPv1/v2 dynamic routing	3 instances
Number of network attacks detected	31	Static routes	1,024
Network attack detection	Yes	Source-based routing	Yes
DoS and DDoS protections	Yes	Equal cost multi-path routing	Yes
TCP reassembly for fragmented packet protection	Yes	High Availability (HA)	
Malformed packet protections	Yes	Dial backup	Yes
Deep Inspection firewall	Yes	Dual Untrust	Yes
Protocol anomaly	Yes	VoIP	
Stateful protocol signatures Y	es	H.323 ALG	Yes
DI Protocols supported	HTTP, FTP, SMTP, POP, IMAP, DNS, NetBIOS/SMB, MS-RPC, P2P, IM	SIP ALG	Yes
Number of application attacks detected w/DI	over 650	NAT for H.323/SIP	Yes
Brute force attack mitigation	Yes	IP Address Assignment	
DI attack pattern obfuscation	Yes	Static	Yes
Syn cookie protection	Yes	DHCP, PPPoE client	Yes
Zone-based IP spoofing	Yes	Internal DHCP server	Yes
Content Inspection	Yes	DHCP relay	Yes
Embedded antivirus	No	PKI Support	
Malicious Web filtering	up to 48 URLs	PKI certificate requests (PKCS 7 and PKCS 10)	Yes
External Web filtering (Websense or SurfControl)	Yes	Automated certificate enrollment (SCEP)	Yes
Integrated Web filtering	No	Online Certificate Status Protocol (OCSP)	Yes
VPN		Self Signed Certificates	Yes
Concurrent VPN tunnels	up to 10	Certificate Authorities Supported	
Tunnel interfaces	up to 10	Verisign	Yes
DES (56-bit), 3DES (168-bit) and AES encryption	Yes	Entrust	Yes
MD-5 and SHA-1 authentication	Yes	Microsoft	Yes
Manual Key, IKE, PKI (X.509)	Yes	RSA Keon	Yes
Perfect forward secrecy (DH Groups)	1,2,5	iPlanet (Netscape)	Yes
Prevent replay attack	Yes	Baltimore	Yes
Remote access VPN	Yes	DOD PKI	Yes

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System Management

WebUI (HTTP and HTTPS)	Yes
Command Line Interface (console)	Yes
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)	1.25/8.125/5 inches
Weight	1.5 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	12VDC, 12 W
Power Supply (DC)	No

License Options: The NetScreen-5XT is available in two models to support different numbers of users.

10 User Product License: The 10 user product license (NetScreen-5XT 10-User) supports 10 users.

Unrestricted Product License: The unrestricted product license (NetScreen-5XT Elite) support an unlimited number of users.

Certifications

- Safety Certifications
 - UL, CUL, CSA, 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 (Bellcore model)

NetScreen-5XT: 8.5 years

Security

- Common Criteria: EAL4
- FIPS 140-2: Level 2
- ICSA Firewall and VPN

Ordering Information

Product		Part Number
Juniper Networks NetScreen-5XT 10 User		
NetScreen-5XT	US power cord	NS-5XT-001
NetScreen-5XT	UK power cord	NS-5XT-003
NetScreen-5XT	European power cord	NS-5XT-005
NetScreen-5XT	Japanese power cord	NS-5XT-007
Upgrade from NetScreen-5XT 10-user to NetScreen-5XT Elite		NS-5XT-ELU
Juniper Networks NetScreen-5XT 10 User		
NetScreen-5XT Elite	US power cord	NS-5XT-101
NetScreen-5XT Elite	UK power cord	NS-5XT-103
NetScreen-5XT Elite	European power cord	NS-5XT-105
NetScreen-5XT Elite	Japanese power cord	NS-5XT-107
Rack mount kit for 2 NetScreen-5XTs		NS-5XT-RMK

(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.



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