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
Maximum Performance and Capacity[1]	
ScreenOS version support	ScreenOS 5.2
Firewall performance	70 Mbps
3DES performance	20 Mbps
Deep Inspection performance	55 Mbps
Concurrent sessions	2,000
New sessions/second	2,000
Policies	100
Interfaces	5 10/100 Base-T
Mode of Operation	
Layer 2 mode (transparent mode)[2]	Yes
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	Yes
Dial backup	Yes
Policy-based NAT	Yes
Virtual IP	1
Mapped IP	32
Users supported	10 or Unrestricted
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 650
Brute force attack mitigation	Yes
DI attack pattern obfuscation	Yes
Syn cookie protection	Yes
Zone-based IP spoofing	Yes
Content Inspection	Yes
Embedded antivirus	No
Malicious Web filtering	up to 48 URLs
External Web filtering (Websense or SurfControl)	Yes
Integrated Web filtering	No
VPN	
Concurrent VPN tunnels	up to 10
Tunnel interfaces	up to 10
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

	Juniper Networks NetScreen-5XT
VPN (cont'd)	
L2TP within IPSec	Yes
IPSec NAT traversal	Yes
Redundant VPN gateways	Yes
VPN tunnel monitor	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, 3 with home/work
Routing	
OSPF/BGP dynamic routing	3 instances each
RIPv1/v2 dynamic routing	3 instances
Static routes	1,024
Source-based routing	Yes
Equal cost multi-path routing	Yes
High Availability (HA)	
Dial backup	Yes
Dual Untrust	Yes
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	Yes
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

	Juniper Networks NetScreen-5XT
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.