

Juniper Networks NetScreen-5GT ADSL



The Juniper Networks NetScreen-5GT ADSL is a feature rich network security solution that integrates multiple security functions—stateful and Deep Inspection firewall, IPSec VPN, Denial of Service protection and Antivirus—with an ADSL interface. By eliminating the need for an external ADSL modem, the NetScreen-5GT ADSL enhances security for remote offices, retail outlets or broadband telecommuters, provides flexibility to meet specific security needs, and reduces both upfront hardware and ongoing operational costs for service providers and large distributed enterprises. The NetScreen-5GT ADSL has one Untrust 10/100 Ethernet port, four Trust 10/100 Ethernet ports, a console port, a modem port and an ADSL interface. The NetScreen-5GT ADSL supports dial-backup or dual Ethernet ports for redundant Internet connections when network uptime is business critical and supports embedded virus scanning using Trend Micro’s antivirus technology.

	10 User or plus	Extended
Maximum Performance and Capacity⁽¹⁾		
Firewall performance	75 Mbps(1)	75 Mbps(1)
3DES performance	20 Mbps(1)	20 Mbps(1)
Deep Inspection performance	75 Mbps(1)	75 Mbps(1)
Concurrent sessions	2,000	4,000
New sessions/second	2,000	2,000
Policies	100	100
Interfaces	5 10/100 Base-T + ADSL	5 10/100 Base-T + ADSL

	10 User or plus	Extended
Mode of Operation		
Layer 2 mode (transparent mode) ⁽⁶⁾	No	No
Layer 3 mode (route and/or NAT mode)	Yes	Yes
NAT (Network Address Translation)	Yes	Yes
PAT (Port Address Translation)	Yes	Yes
Home/work zones	Yes	Yes
Dual Untrust	Yes	Yes
DMZ	No	Yes
Dial backup	Yes	Yes
Policy-based NAT	Yes	Yes
Virtual IP	1	1
Mapped IP	32	32
Users supported	10 or Unrestricted	Unrestricted

	10 User or plus	Extended
Firewall		
Number of network attacks detected	31	31
Network attack detection	Yes	Yes
DoS and DDoS protections	Yes	Yes
TCP reassembly for fragmented packet protection	Yes	Yes
Malformed packet protections	Yes	Yes
Deep Inspection firewall ⁽⁵⁾	Yes	Yes
Protocol anomaly	Yes	Yes
Stateful protocol signatures	Yes	Yes
Protocols supported	HTTP, FTP, SMTP, POP, IMAP, DNS	HTTP, FTP, SMTP, POP, IMAP, DNS
Number of application attacks detected w/DI	over 250	over 250
Content Inspection	Yes	Yes
Malicious URL filtering	up to 48 URLs	up to 48 URLs
External URL filtering (Websense)	Yes	Yes

	10 User or plus	Extended
VPN		
Concurrent VPN tunnels	up to 10	up to 25
Tunnel interfaces	up to 10	up to 10
DES (56-bit), 3DES (168-bit) and AES encryption	Yes	Yes
MD-5 and SHA-1 authentication	Yes	Yes
Manual Key, IKE, PKI (X.509)	Yes	Yes
Perfect forward secrecy (DH Groups)	1,2,5	1,2,5
Prevent replay attack	Yes	Yes
Remote access VPN	Yes	Yes
L2TP within IPSec	Yes	Yes
IPSec NAT traversal	Yes	Yes
Redundant VPN gateways	Yes	Yes
VPN tunnel monitor	Yes	Yes

	10 User or plus	Extended
Antivirus⁽²⁾		
Embedded Scan Engine	Yes	Yes
External antivirus (Trend Micro)	No	No
Antivirus signatures	> 80,000	> 80,000
Protocols (POP3,SMTP,HTTP)	Yes	Yes
HTTP Webmail only	Yes	Yes
Maximum AV Users	10 or 25 ⁽³⁾	25 ⁽⁴⁾
Automated Pattern file updates	Yes	Yes

	10 User or plus	Extended
Firewall and VPN User Authentication		
Built-in (internal) database - user limit	up to 100	up to 100
3rd Party user authentication	RADIUS, RSA SecurID, and LDAP	RADIUS, RSA SecurID, and LDAP
XAUTH VPN authentication	Yes	Yes
Web-based authentication	Yes	Yes

	10 User or plus	Extended
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	Future	Future
All management via VPN tunnel on any interface	Yes	Yes
Rapid deployment	Yes	Yes

	10 User or plus	Extended
Logging/Monitoring		
Syslog (multiple servers)	External, up to 4 servers	External, up to 4 servers
E-mail (2 addresses)	Yes	Yes
NetIQ WebTrends	External	External
SNMP (v2)	Yes	Yes
Standard and custom MIB	Yes	Yes
Traceroute	Yes	Yes

	10 User or plus	Extended
Virtualization		
Virtual Routers (VRs)	2	2

	10 User or plus	Extended
Routing		
OSPF/BGP dynamic routing	2 instances each	2 instances each
RIPv2 dynamic routing	2 instances	2 instances
Static routes	1,024	1,024
Source-based routing	Yes	Yes

	10 User or plus	Extended
High Availability (HA)		
HA mode	None	HA Lite
Firewall/VPN session synchronization	No	No
Redundant interfaces	No	Yes
Configuration synchronization	No	Yes
Device failure detection	No	Yes
Link failure detection	No	Yes
Authentication for new HA members	No	Yes
Encryption of HA traffic	No	Yes
Dial Backup ⁽⁷⁾	Yes	Yes
Dual Untrust	Yes	Yes

	10 User or plus	Extended
IP Address Assignment		
Static	Yes	Yes
DHCP, PPPoE client	Yes	Yes
ADSL encryption	Yes	Yes
Internal DHCP server	Yes	Yes
DHCP relay	Yes	Yes
PKI Support		
PKI certificate requests (PKCS 7 and PKCS 10)	Yes	Yes
Automated certificate enrollment (SCEP)	Yes	Yes
Online Certificate Status Protocol (OCSP)	Yes	Yes
Certificate Authorities Supported		
Verisign CA	Yes	Yes
Entrust CA	Yes	Yes
Microsoft CA	Yes	Yes
RSA Keon CA	Yes	Yes
iPlanet (Netscape) CA	Yes	Yes
Baltimore CA	Yes	Yes
DOD PKI CA	Yes	Yes

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

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

Dimensions and Power		
Dimensions (H/W/L)	1/8.25/7.25 inches	1/8.25/7.25 inches
Weight	2 lbs.	2 lbs.
Rack mountable	Yes, w/separate kit	Yes, w/separate kit
Power Supply (AC)		
90 to 264 VAC to power supply	9-12VDC, 15-18 W	9-12 VDC, 15-18 W

	NetScreen-5GT ADSL ANNEX A	NetScreen-5GT ADSL ANNEX B
ADSL Support		
ADSL over POTS	Yes	No
ADSL over ISDN	No	Yes
ADSL DMT issue 2	Yes	Yes
ADSL G lite	Yes	No
Dying Gasp Support	Yes	No
Deutsche Telecom Support	No	Yes
ADSL Layer 2 and encapsulations		
PPPoE	Yes	Yes
PPPoA	Yes	Yes
1483 (Bridge Mode)	Yes	Yes
ATM AAL5	Yes	Yes
ATM PVCs	10	10

Please check ISP and DSLAM compatibility for the ADSL connections at www.juniper.net/products/integrated/5GT-ADSL/

Certifications

Safety Certifications
UL, CUL, CB, TUV
EMC Certifications
FCC class B, 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-5GT ADSL: 8.5 years

Security

ICSA Firewall and VPN

Product Models

Annex A - ADSL over phone line (POTS) for use in the Americas and parts of Europe and Asia
Annex B - ADSL over ISDN for use in parts of Europe and Asia

Ordering Information

Product		Part Number
Juniper Networks NetScreen-5GT ADSL 10 User* Annex A		
NetScreen-5GT ADSL	US supply	NS-5GT-011-A
NetScreen-5GT ADSL	UK supply	NS-5GT-013-A
NetScreen-5GT ADSL	Europe supply	NS-5GT-015-A
Juniper Networks NetScreen-5GT ADSL Plus (unrestricted users)* Annex A		
NetScreen-5GT ADSL Plus	US power cord	NS-5GT-111-A
NetScreen-5GT ADSL Plus	UK power cord	NS-5GT-113-A
NetScreen-5GT ADSL Plus	European power cord	NS-5GT-115-A
Juniper Networks NetScreen-5GT ADSL Extended* Annex A		
NetScreen-5GT ADSL Extended	US power cord	NS-5GT-201-A
NetScreen-5GT ADSL Extended	UK power cord	NS-5GT-203-A
NetScreen-5GT ADSL Extended	European power cord	NS-5GT-205-A
Juniper Networks NetScreen-5GT ADSL 10 User* Annex B		
NetScreen-5GT ADSL	US supply	NS-5GT-011-B
NetScreen-5GT ADSL	UK supply	NS-5GT-013-B
NetScreen-5GT ADSL	Europe supply	NS-5GT-015-B
Juniper Networks NetScreen-5GT ADSL Plus (unrestricted users)* Annex B		
NetScreen-5GT ADSL Plus	US power cord	NS-5GT-111-B
NetScreen-5GT ADSL Plus	UK power cord	NS-5GT-113-B
NetScreen-5GT ADSL Plus	European power cord	NS-5GT-115-B
Juniper Networks NetScreen-5GT ADSL Extended* Annex B		
NetScreen-5GT ADSL Extended	US power cord	NS-5GT-201-B
NetScreen-5GT ADSL Extended	UK power cord	NS-5GT-203-B
NetScreen-5GT ADSL Extended	European power cord	NS-5GT-205-B

*For antivirus products add -AV to the above NetScreen-5GT sku (NS-5GT-011-A-AV). For more information contact your NetScreen representative.

License Options: The NetScreen-5GT ADSL is available in three models to support different numbers of users.

10 User Product License: The 10 user product license (NetScreen-5GT ADSL 10-User) support 10 users.

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

Extended Product License: The extended product license (NetScreen-5GT ADSL Extended) supports greater capacity, HA and a DMZ zone

- (1) Performance and capacity provided are the measured maximums under ideal testing conditions. May vary by deployment and features enabled.
- (2) Requires additional purchase of antivirus signature subscription
- (3) Recommended number of users
- (4) Limited by License on the NetScreen-5GT Extended
- (5) Updates to Deep Inspection signatures requires signature service which is available for additional purchase
- (6) 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
- (7) Tested with 3COM 5686 56K modem and ZyXel omni.net LCD ISDN modem



1194 North Mathilda Avenue Sunnyvale, CA 94089 USA
Phone: 888-JUNIPER (888-586-4737) or 408-745-2000
Fax: 408-745-2100

Copyright © 2004 Juniper Networks, Inc. All rights reserved.

Juniper Networks, the Juniper Networks logo, NetScreen, NetScreen Technologies, GigaScreen, and the NetScreen logo are registered trademarks of Juniper Networks, Inc. NetScreen-5GT, NetScreen-5XP, NetScreen-5XT, NetScreen-25, NetScreen-100, NetScreen-204, NetScreen-208, NetScreen-500, NetScreen-5200, NetScreen-5400, NetScreen-Global PRO, NetScreen-Global PRO Express, NetScreen-Remote Security Client, NetScreen-Remote VPN Client, NetScreen-IDP 10, NetScreen-IDP 100, NetScreen-IDP 500, GigaScreen ASIC, GigaScreen-II ASIC, and NetScreen ScreenOS are trademarks of Juniper Networks, Inc. All other trademarks and registered trademarks are the property of their respective companies.

110027-002 July 2004