

# 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 antivirus scanning.

	10 User or plus	Extended		10 User or plus	Extended
<b>Maximum Performance and Capacity<sup>(4)</sup></b>			<b>Antivirus<sup>(2)</sup></b>		
Firewall performance	75 Mbps(1)	75 Mbps(1)	Embedded Scan Engine	Yes	Yes
3DES performance	20 Mbps(1)	20 Mbps(1)	Antivirus signatures	> 80,000	> 80,000
Deep Inspection performance	75 Mbps(1)	75 Mbps(1)	Protocols (POP3,SMTP,HTTP)	Yes	Yes
Concurrent sessions	2,000	4,000	HTTP Webmail only	Yes	Yes
New sessions/second	2,000	2,000	Maximum AV Users	10 or 25 <sup>(3)</sup>	25 <sup>(4)</sup>
Policies	100	100	Automated Pattern file updates	Yes	Yes
Interfaces	5 10/100 Base-T + ADSL	5 10/100 Base-T + ADSL	<b>Firewall and VPN User Authentication</b>		
<b>Mode of Operation</b>			Built-in (internal) database - user limit	up to 100	up to 100
Layer 2 mode (transparent mode) <sup>(6)</sup>	No	No	3rd Party user authentication	RADIUS, RSA SecurID, and LDAP	RADIUS, RSA SecurID, and LDAP
Layer 3 mode (route and/or NAT mode)	Yes	Yes	XAUTH VPN authentication	Yes	Yes
NAT (Network Address Translation)	Yes	Yes	Web-based authentication	Yes	Yes
PAT (Port Address Translation)	Yes	Yes	<b>System Management</b>		
Home/work zones	Yes	Yes	WebUI (HTTP and HTTPS)	Yes	Yes
Dual Untrust	Yes	Yes	Command Line Interface (console)	Yes	Yes
DMZ	No	Yes	Command Line Interface (telnet)	Yes	Yes
Dial backup	Yes	Yes	Command Line Interface (SSH)	Yes, v1.5 and v2.0 compatible	Yes, v1.5 and v2.0 compatible
Policy-based NAT	Yes	Yes	NetScreen-Security Manager	Yes	Yes
Virtual IP	1	1	All management via VPN tunnel on any interface	Yes	Yes
Mapped IP	32	32	Rapid deployment	Yes	Yes
Users supported	10 or Unrestricted	Unrestricted	<b>Logging/Monitoring</b>		
<b>Firewall</b>			Syslog (multiple servers)	External, up to 4 servers	External, up to 4 servers
Number of network attacks detected	31	31	E-mail (2 addresses)	Yes	Yes
Network attack detection	Yes	Yes	NetIQ WebTrends	External	External
DoS and DDoS protections	Yes	Yes	SNMP (v2)	Yes	Yes
TCP reassembly for fragmented packet protection	Yes	Yes	Standard and custom MIB	Yes	Yes
Malformed packet protections	Yes	Yes	Traceroute	Yes	Yes
Deep Inspection firewall <sup>(5)</sup>	Yes	Yes	<b>Virtualization</b>		
Protocol anomaly	Yes	Yes	Virtual Routers (VRs)	2	2
Stateful protocol signatures	Yes	Yes	<b>Routing</b>		
Protocols supported	HTTP, FTP, SMTP, POP, IMAP, DNS	HTTP, FTP, SMTP POP, IMAP, DNS	OSPF/BGP dynamic routing	2 instances each	2 instances each
Number of application attacks detected w/DI	over 250	over 250	RIPv2 dynamic routing	2 instances	2 instances
Content Inspection	Yes	Yes	Static routes	1,024	1,024
Malicious Web filtering	up to 48 URLs	up to 48 URLs	Source-based routing	Yes	Yes
External Web filtering (Websense or SurfControl)	Yes	Yes	<b>High Availability (HA)</b>		
Integrated Web filtering	Future	Future	HA mode	None	HA Lite
<b>VPN</b>			Firewall/VPN session synchronization	No	No
Concurrent VPN tunnels	up to 10	up to 25	Redundant interfaces	No	Yes
Tunnel interfaces	up to 10	up to 10	Configuration synchronization	No	Yes
DES (56-bit), 3DES (168-bit) and AES encryption	Yes	Yes	Device failure detection	No	Yes
MD-5 and SHA-1 authentication	Yes	Yes	Link failure detection	No	Yes
Manual Key, IKE, PKI (X.509)	Yes	Yes	Authentication for new HA members	No	Yes
Perfect forward secrecy (DH Groups)	1,2,5	1,2,5	Encryption of HA traffic	No	Yes
Prevent replay attack	Yes	Yes	Dial Backup <sup>(7)</sup>	Yes	Yes
Remote access VPN	Yes	Yes	Dual Untrust	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
<b>IP Address Assignment</b>		
Static	Yes	Yes
DHCP, PPPoE client	Yes	Yes
ADSL encryption	Yes	Yes
Internal DHCP server	Yes	Yes
DHCP relay	Yes	Yes
<b>PKI Support</b>		
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

<b>Administration</b>		
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

<b>Traffic Management</b>		
Guaranteed bandwidth	Yes	Yes
Maximum bandwidth	Yes	Yes
Priority-bandwidth utilization	Yes	Yes
DiffServ stamp	Yes	Yes

<b>Dimensions and Power</b>		
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
<b>ADSL Support</b>		

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

<b>ADSL Layer 2 and encapsulations</b>		
PPPoE	Yes	Yes
PPPoA	Yes	Yes
2684/1483 (Bridge and Routed 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/](http://www.juniper.net/products/integrated/5GT-ADSL/)



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## 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
<b>Juniper Networks NetScreen-5GT ADSL 10 User* Annex A</b>		
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
<b>Juniper Networks NetScreen-5GT ADSL Plus (unrestricted users)* Annex A</b>		
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
<b>Juniper Networks NetScreen-5GT ADSL Extended* Annex A</b>		
NetScreen-5GT ADSL Extended	US power cord	NS-5GT-211-A
NetScreen-5GT ADSL Extended	UK power cord	NS-5GT-213-A
NetScreen-5GT ADSL Extended	European power cord	NS-5GT-215-A
<b>Juniper Networks NetScreen-5GT ADSL 10 User* Annex B</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
<b>Juniper Networks NetScreen-5GT ADSL Plus (unrestricted users)* Annex B</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
<b>Juniper Networks NetScreen-5GT ADSL Extended* Annex B</b>		
NetScreen-5GT ADSL Extended	US power cord	NS-5GT-211-B
NetScreen-5GT ADSL Extended	UK power cord	NS-5GT-213-B
NetScreen-5GT ADSL Extended	European power cord	NS-5GT-215-B

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

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