

# Juniper Networks NetScreen-5GT



Weighing in at less than 2 pounds, the Juniper Networks NetScreen-5GT 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-5GT is fully capable of securing a remote office, retail outlet, or a broadband telecommuter. The NetScreen-5GT supports dial-backup or dual Ethernet ports for redundant Internet connections when network uptime is business critical. The NetScreen-5GT supports embedded antivirus scanning which provides an additional layer of application-level protection to help eliminate virus threats from the network.

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

	10 User or plus	Extended
<b>Mode of Operation</b>		
Layer 2 mode (transparent mode) <sup>(6)</sup>	Yes	Yes
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
<b>Firewall</b>		
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 <sup>(9)</sup>	Yes	Yes
Protocol anomaly	Yes	Yes
Stateful protocol signatures	Yes	Yes
DI Protocols supported	HTTP, FTP, SMTP, POP, IMAP, DNS, NetBIOS/SMB, MS-RPC, P2P, IM	HTTP, FTP, SMTP, POP, IMAP, DNS, NetBIOS/SMB, MS-RPC, P2P, IM
Number of application attacks detected w/DI	over 600	over 600
Content Inspection	Yes	Yes
Malicious Web filtering	up to 48 URLs	up to 48 URLs
External Web filtering (Websense or SurfControl)	Yes	Yes
Integrated Web filtering	Yes	Yes

	10 User or plus	Extended
<b>VPN</b>		
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
<b>Antivirus<sup>(2)</sup></b>		
Embedded Scan Engine	Yes	Yes
Antivirus signatures	> 80,000	> 80,000
Protocols (POP3,SMTP,HTTP, IMAP, FTP)	Yes	Yes
HTTP Webmail only	Yes	Yes
Maximum AV Users	10 or 25 <sup>(3)</sup>	25 <sup>(4)</sup>
Automated Pattern file updates	Yes	Yes

	10 User or plus	Extended
<b>Firewall and VPN User Authentication</b>		
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
<b>Logging/Monitoring</b>		
Syslog (multiple servers)	External, up to 4 servers	External, up to 4 servers
E-mail (2 addresses)	Yes	Yes
NetIQ WebTrends	External	External
SNMP (v1, v2)	Yes	Yes
Standard and custom MIB	Yes	Yes
Traceroute	Yes	Yes

	10 User or plus	Extended
<b>Virtualization</b>		
Virtual Routers (VRs)	3	3

	10 User or plus	Extended
<b>Routing</b>		
OSPF/BGP dynamic routing	3 instances each	3 instances each
RIPv1/v2 dynamic routing	3 instances	3 instances
Static routes	1,024	1,024
Source-based routing	Yes	Yes
Equal cost multi-path routing	Yes	Yes

	10 User or plus	Extended
<b>High Availability (HA)</b>		
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 <sup>(7)</sup>	Yes	Yes
Dual Untrust	Yes	Yes

	10 User or plus	Extended
<b>VoIP</b>		
H.323 ALG	Yes	Yes
SIP ALG	Yes	Yes
NAT for H.323/SIP	Yes	Yes

	10 User or plus	Extended
<b>IP Address Assignment</b>		
Static	Yes	Yes
DHCP, PPPoE client	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
Self Signed Certificates	Yes	Yes
Certificate Authorities Supported		
Verisign	Yes	Yes
Entrust	Yes	Yes
Microsoft	Yes	Yes
RSA Keon	Yes	Yes
iPlanet (Netscape)	Yes	Yes
Baltimore	Yes	Yes
DOD PKI	Yes	Yes

	10 User or plus	Extended
<b>System Management</b>		
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	Yes	Yes
All management via VPN tunnel on any interface	Yes	Yes
Rapid deployment	Yes	Yes

	10 User or plus	Extended
<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

	10 User or plus	Extended
<b>Traffic Management</b>		
Guaranteed bandwidth	Yes	Yes
Maximum bandwidth	Yes	Yes
Priority-bandwidth utilization	Yes	Yes
DiffServ stamp	Yes	Yes

	10 User or plus	Extended
<b>Dimensions and Power</b>		
Dimensions (H/W/L)	1.25/8/5 inches	1/8.25/5 inches
Weight	1.5 lbs.	1.5 lbs.
Rack mountable	Yes, w/separate kit	Yes, w/separate kit
Power Supply (AC)	12 VDC, 12 W	12 VDC, 12 W
90 to 264 VAC to power supply with regional linear supply	12VDC, 12 W	12 VDC, 12 W
Power Supply (DC)	No	No

### 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: 8.5 years

### Security

ICSA Firewall and VPN

### Ordering Information

Product		Part Number
<b>Juniper Networks NetScreen-5GT 10 User*</b>		
NetScreen-5GT	US linear supply	NS-5GT-001
NetScreen-5GT	UK linear supply	NS-5GT-003
NetScreen-5GT	Europe linear supply	NS-5GT-005
NetScreen-5GT	Japan linear supply	NS-5GT-007
<b>Juniper Networks NetScreen-5GT Plus (unrestricted users)*</b>		
NetScreen-5GT Plus	US power cord	NS-5GT-101
NetScreen-5GT Plus	UK power cord	NS-5GT-103
NetScreen-5GT Plus	European power cord	NS-5GT-105
NetScreen-5GT Plus	Japanese power cord	NS-5GT-107
<b>Juniper Networks NetScreen-5GT Extended*</b>		
NetScreen-5GT Extended	US power cord	NS-5GT-201
NetScreen-5GT Extended	UK power cord	NS-5GT-203
NetScreen-5GT Extended	European power cord	NS-5GT-205
NetScreen-5GT Extended	Japanese power cord	NS-5GT-207
Rack mount kit for 2 NetScreen-5GTs		NS-5GT-RMK

\*For antivirus products add -AV to the above NetScreen-5GT sku (NS-5GT-101-AV). For more information contact your Juniper Networks representative.

- (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. Transparent mode only works in trust/untrust mode
- (7) Tested with 3COM 5686 56K modem and ZyXel omni.net LCD ISDN modem

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

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

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

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



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