



# McAfee Next Generation Firewall Appliances

Appliance Specifications	NGF-321	NGF-325	NGF-1035	NGF-1065	NGF-1401 <sup>1</sup>	NGF-1402	NGF-3202	NGF-3206	NGF-3207 <sup>1</sup>	NGF-5206
<b>Performance</b>										
Firewall throughput (UDP 1518 byte)	4 Gbps	4 Gbps	10 Gbps	20 Gbps	30 Gbps	40 Gbps	50 Gbps	60 Gbps	120 Gbps	120 Gbps
IPsec VPN throughput (AES-128-GCM)	1 Gbps	1 Gbps	1.2 Gbps	3 Gbps	6 Gbps	11 Gbps	10 Gbps	18 Gbps	20 Gbps	18 Gbps
IPsec VPN tunnels	6,000	6,000	20,000	20,000	20,000	20,000	40,000	200,000	200,000	200,000
IPsec VPN clients	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited
SSL VPN client throughput	300 Mbps	300 Mbps	400 Mbps	1 Gbps	2 Gbps	5 Gbps	6 Gbps	8 Gbps	9 Gbps	8 Gbps
Maximum SSL VPN users	500	500	1,000	2,000	5,000	10,000	20,000	30,000	30,000	30,000
Concurrent connections (no inspection)	2 million	2 million	5 million	8 million	12 million	20 million	30 million	30 million	40 million	30 million
New TCP connections/second (no inspection)	15,000	15,000	35,000	100,000	150,000	200,000	300,000	300,000	400,000	300,000
64-byte packets per second (no inspection)	800,000	800,000	1.2 million	5 million	15 million	25 million	30 million	40 million	60 million	80 million
VLAN tagging	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited
Inspection throughput (UDP 1518 byte)	700 Mbps	700 Mbps	1 Gbps	3 Gbps	8 Gbps	14 Gbps	13 Gbps	30 Gbps	30 Gbps	30 Gbps
HTTP inspection (21 KB payload)	200 Mbps	200 Mbps	400 Mbps	1.2 Gbps	3 Gbps	4.5 Gbps	4.5 Gbps	10 Gbps	11 Gbps	10 Gbps
SSL inspection (AES-256)	150 Mbps	150 Mbps	150 Mbps	500 Mbps	2 Gbps	3 Gbps	3 Gbps	5 Gbps	8 Gbps	5 Gbps
Inspected concurrent connections	100,000	100,000	150,000	1 million	4 million	6 million	5 million	12 million	14 million	12 million
Virtual contexts (default/maximum)	3/3	3/3	5/5	5/5	5/25	10/100	10/100	10/250	10/250	10/250
<b>Features</b>										
Antispam	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Antivirus	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
URL filtering	option	option	option	option	option	option	option	option	option	option
Full inspection	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Application control	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
McAfee <sup>®</sup> Multi-Link	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Server load balancing	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Clustering	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
<b>Ports</b>										
Fixed Ethernet interfaces	5 x 10/100/1,000	5 x 10/100/1,000	4 x 10/100/1,000	4 x 10/100/1,000	4 x 10/100/1,000	4 x 10/100/1,000	2 x 10/100/1,000	2 x 10/100/1,000	2 x 10/100/1,000	2 x 10/100/1,000
Gigabit Ethernet—copper ports	5	5 to 13	4 to 12	4 to 12	4 to 20	4 to 20	2 to 26	2 to 26	2 to 26	2 to 50
10 Gigabit Ethernet ports	0	0	0 to 4	0 to 4	0 to 8	0 to 8	0 to 12	0 to 12	0 to 12	0 to 24
Other interfaces	3 G modem support	WLAN <sup>2</sup> 3 G modem support	3 G modem support	3 G modem support	3 G modem support	3 G modem support	3 G modem support	3 G modem support	3 G modem support	3 G modem support
Network I/O slots	0	2	1	1	2	2	3	3	3	6

# Specifications Sheet

Appliance Specifications	NGF-321	NGF-325	NGF-1035	NGF-1065	NGF-1401 <sup>1</sup>	NGF-1402	NGF-3202	NGF-3206	NGF-3207 <sup>1</sup>	NGF-5206
Network I/O modules	—	4-port GE copper, 4-port FE with switch, 1-port GE (SFP), 2-port GE copper fail-open	4-port GE copper, 8-port GE copper, 2-port 10 GE copper, 4-port GE (SFP), 2-port 10 GE (SFP+), 4-port 10 GE (SFP+), 4-port GE (fail-open), 4-port GE (SX) fail-open, 2-port 10 GE (SR) fail-open, 2-port 10 GE (LR) fail-open, 2-port 10GE fail-open							
Module PCI Express version	—	—	2.0	2.0	3.0	3.0 <sup>3</sup>	2.0	2.0	3.0	2.0
Connectors	2 x USB, 1 x serial	2 x USB, 1 x serial	2 x USB, 1 x serial	2 x USB, 1 x serial	2 x USB, 1 x serial, VGA	2 x USB, 1 x serial, VGA	4 x USB, 1 x serial, VGA, IPMI Ethernet	4 x USB, 1 x serial, VGA, IPMI Ethernet	4 x USB, 1 x serial, VGA, IPMI Ethernet	4 x USB, 1 x serial, VGA, IPMI Ethernet
<b>Physical</b>										
Form factor	Desktop <sup>4</sup>	Desktop <sup>4</sup>	1RU	1RU	1RU	1RU	2RU	2RU	2RU	3RU
Dimensions (WxHxD)	282 x 44 x 196 mm 11.11 x 1.73 x 7.72 in	305 x 44 x 196 mm 12 x 1.73 x 7.72 in	426 x 44 x 300 mm 16.77 x 1.73 x 11.81 in	426 x 44 x 300 mm 16.77 x 1.73 x 11.81 in	426 x 44 x 450 mm 16.77 x 1.73 x 17.72 in	426 x 44 x 450 mm 16.77 x 1.73 x 17.72 in	437 x 89 x 450 mm 17.2 x 3.5 x 17.7 in	437 x 89 x 450 mm 17.2 x 3.5 x 17.7 in	437 x 89 x 450 mm 17.2 x 3.5 x 17.7 in	437 x 132 x 648 mm 17.2 x 5.2 x 25.5 in
Net weight (without modules)	1.8 kg/3.97 lbs	2.2 kg/4.85 lbs	4.2 kg/9.25 lbs	4.2 kg/9.25 lbs	8.4 kg/18.5 lbs	8.4 kg/18.5 lbs	13.2 kg/29 lbs	14.2 kg/31.3 lbs	14.2 kg/31.3 lbs	23.8 kg/52.47 lbs
AC power supply	100–240 VAC 50–60 Hz, 45 W	100–240 VAC 50–60 Hz, 45 W	100–240 VAC 50–60 Hz, 180 W	100–240 VAC 50–60 Hz, 180 W	100–240 VAC, 50–60 Hz, 300 W + 300 W	100–240 VAC, 50–60 Hz, 300 W + 300 W	100–240 VAC, 50–60 Hz, 800 W + 800 W	100–240 VAC, 50–60 Hz, 700 W + 700 W	100–240 VAC, 50–60 Hz, 700 W + 700 W	100–240 VAC, 50–60 Hz, 800 W + 800 W
DC power supply option	—	—	-72 – -36 VDC, 200W dual feed	-72 – -36 VDC, 200W dual feed	-72 – -36 VDC, 300W + 300W	-72 – -36 VDC, 300W + 300W	-72 – -36 VDC, 800W + 800W	-72 – -36 VDC, 700W + 700W	-72 – -36 VDC, 700W + 700W	-72 – -36 VDC, 800W + 800W
Redundant power supply (hot-swappable)	—	—	—	—	option	yes	yes	yes	yes	yes
Typical power consumption	18 W	22 W	50 W	65 W	100 W	100 W	300 W	400 W	400 W	300 W
Maximum power consumption	21 W	28 W	95 W	90 W	300 W	300 W	320 W	450 W	450 W	550 W
Operating temperature	0–+45°C (+32–+113°F)	0–+45°C (+32–+113°F)	0–+40°C (+32–+104°F)	0–+40°C (+32–+104°F)	5–+40°C (+41–+104°F)	5–+40°C (+41–+104°F)	10–+35°C (+50–+95°F)	10–+35°C (+50–+95°F)	10–+35°C (+50–+95°F)	10–+35°C (+50–+95°F)
Storage temperature	-20–+70°C (-4–+158°F)	-20–+70°C (-4–+158°F)	-20–+70°C (-4–+158°F)	-20–+75°C (-4–+167°F)	-20–+70°C (-4–+158°F)	-20–+70°C (-4–+158°F)	-40–+70°C (-40–+158°F)	-40–+70°C (-40–+158°F)	-40–+70°C (-40–+158°F)	-40–+70°C (-40–+158°F)
Relative humidity (non-condensing)	10%–90%	10%–90%	10%–95%	10%–95%	10%–95%	10%–95%	8%–90%	8%–90%	8%–90%	8%–90%
MTBF	120,000 hours	120,000 hours	120,000 hours	120,000 hours	150,000 hours	150,000 hours	100,000 hours	120,000 hours	120,000 hours	100,000 hours
Safety certifications	CE, CB, Gost-R, RoHS									
EMI certifications	FCC									
Processor architecture	Intel® Atom™	Intel® Atom™	Intel® Celeron®	Intel® Core™	Intel® Xeon®	Intel® Xeon®	Intel® Xeon®	Dual Intel® Xeon®	Dual Intel® Xeon®	Dual Intel® Xeon®

1. Available soon.
2. IEEE 802.11a/b/g/n.
3. Hardware revision 1 or greater.
4. Option rack mount kit available.

## Specifications Sheet

Virtual Appliance Specifications	VMware ESXi NGF (8 CPU)	NGF (4 CPU)	NGF (2 CPU)	NGF (1 CPU)
<b>Performance</b>				
Firewall throughput (UDP 1518 byte)	10 Gbps	10 Gbps	10 Gbps	10 Gbps
IPsec VPN throughput (AES-128-GCM)	5 Gbps	4 Gbps	3 Gbps	2 Gbps
IPsec VPN tunnels	15,000	15,000	15,000	15,000
Concurrent connections (no inspection)	2 million	2 million	2 million	2 million
New TCP connections/sec (no inspection)	75,000	50,000	20,000	15,000
64-byte packets per second (no inspection)	900,000	900,000	900,000	900,000
Inspection throughput	3.8 Gbps	2.6 Gbps	1.8 Gbps	1.5 Gbps
HTTP inspection (21 Kb payload)	2.5 Gbps	2 Gbps	1 Gbps	600 Mbps
Inspected concurrent connections	100,000	100,000	100,000	100,000

Virtual appliance performance values may vary, depending on the network traffic and system configuration. Performance metrics were observed using a Dell R420 server (Intel Xeon processor E5-2450v2, physical 10 G interfaces) running ESXi v5.5 update 02 with 4 GB vRAM.



**McAfee. Part of Intel Security.**  
2821 Mission College Boulevard  
Santa Clara, CA 95054  
888 847 8766  
[www.intelsecurity.com](http://www.intelsecurity.com)

Intel and the Intel logo are registered trademarks of the Intel Corporation in the US and/or other countries. McAfee and the McAfee logo are registered trademarks or trademarks of McAfee, Inc. or its subsidiaries in the US and other countries. Other marks and brands may be claimed as the property of others. The product plans, specifications and descriptions herein are provided for information only and subject to change without notice, and are provided without warranty of any kind, express or implied. Copyright © 2015 McAfee, Inc. 61592spec\_ngfw\_0215\_ETMG