

Protecting the human point.

# FORCEPOINT NGFW Appliances Comparison

## CONNECT AND PROTECT YOUR PEOPLE AND THEIR DATA

APPLIANCE SPECIFICATIONS	NGFW 110	NGFW 115	NGFW 321	NGFW 325	NGFW 1035	NGFW 1065	NGFW 1101	NGFW 1105	NGFW 1401	NGFW 1402	NGFW 2101	NGFW 2105	NGFW 3301	NGFW 3305	NGFW 6205
<b>Performance<sup>1</sup></b>															
<b>NGFW/NGIPS Throughput</b> (HTTP 21 kB payload)	150 Mbps	150 Mbps	200 Mbps	200 Mbps	400 Mbps	1.2 Gbps	1.5 Gbps	3 Gbps	3 Gbps	4.5 Gbps	5 Gbps	7.5 Gbps	9 Gbps	15 Gbps	22 Gbps
<b>Maximum Firewall Throughput</b> (UDP 1518 byte)	1.5 Gbps	1.5 Gbps	4 Gbps	4 Gbps	10 Gbps	20 Gbps	50 Gbps	60 Gbps	30 Gbps	40 Gbps	60 Gbps	80 Gbps	80 Gbps	160 Gbps	240 Gbps
<b>Maximum Inspection Throughput</b> (UDP 1518 byte)	400 Mbps	400 Mbps	700 Mbps	700 Mbps	1 Gbps	3 Gbps	3 Gbps	6 Gbps	8 Gbps	14 Gbps	12 Gbps	15 Gbps	23 Gbps	27 Gbps	33 Gbps
<b>TLS (1.2) Inspection Performance</b>	80 Mbps	80 Mbps	130 Mbps	130 Mbps	150 Mbps	350 Mbps	800 Mbps	1.6 Gbps	1.9 Gbps	2.5 Gbps	3 Gbps	4 Gbps	5.2 Gbps	8 Gbps	9.5 Gbps
<b>Concurrent Inspected TCP Connections</b> (No data)	100,000	100,000	100,000	100,000	150,000	1 million	500,000	1 million	4 million	6 million	3 million	6 million	12 million	15 million	15 million
<b>IPsec VPN Throughput</b> (AES-GCM-256)	600 Mbps	600 Mbps	900 Mbps	900 Mbps	1 Gbps	2.8 Gbps	4.5 Gbps	8.5 Gbps	3.2 Gbps	6.8 Gbps	13 Gbps	16 Gbps	18 Gbps	20 Gbps	22 Gbps
<b>Concurrent IPsec VPN Tunnels</b>	500	500	6,000	6,000	20,000	20,000	20,000	20,000	20,000	20,000	30,000	40,000	200,000	200,000	200,000
<b>Mobile VPN Clients</b>	Max 25	Max 25	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited



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<b>New Inspected HTTP Connections / sec.</b>	22,000	22,000	50,000	50,000	65,000	100,000	450,000	1 million	150,000	400,000	450,000	1.1 million	2.5 million	5 million	5.5 million
<b>VLAN Tagging</b>	unlimited <sup>2</sup>	unlimited <sup>2</sup>	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited
<b>Virtual Contexts (default/maximum)</b>	-	-	3/3	3/3	5/5	5/5	5/25	10/100	5/25	10/100	5/25	10/100	10/100	25/250	25 /250
<b>Features</b>															
<b>Anti-Malware (File reputation/AV)</b>	Yes/-	Yes/-	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
<b>URL Filtering</b>	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
<b>Advanced Malware Detection</b>	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
<b>Full Inspection</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Application Control</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Multi-Link</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Server Load Balancing</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Clustering</b>	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Ports</b>															
<b>Fixed Ethernet interfaces</b>	10 x GE RJ45	10 x GE RJ45	5 x GE RJ45	5 x GE RJ45	4 x GE RJ45	4 x GE RJ45	8 x GE RJ45, 2 x 10Gbps SFP +	8 x GE RJ45, 2 x 10Gbps SFP +	4 x GE RJ45	4 x GE RJ45	12 x GE RJ45, 2 x 10Gbps SFP +	12 x GE RJ45, 2 x 10Gbps SFP +	2 x GE RJ45	2 x GE RJ45 1x 40Gbps QSFP+	2 x GE RJ45



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<b>Gigabit Ethernet—copper ports</b>	10	10 to 14	5	5 to 13	4 to 12	4 to 12	8 to 16	8 to 16	4 to 20	4 to 20	12 to 28	12 to 28	2 to 34	2 to 34	2 to 66
<b>10 Gigabit Ethernet ports</b>	0	0	0	0	0	0 to 4	2 to 6	2 to 6	0 to 8	0 to 8	2 to 10	2 to 10	0 to 16	0 to 16	0 to 32
<b>40 Gigabit Ethernet ports</b>	0	0	0	0	0	0	0	0	0 to 4	0 to 4	0 to 4	0 to 4	0 to 8	1 to 9	1 to 17
<b>Network I/O slots</b>	0	1 mini module	0	2 mini modules	1	1	1	1	2	2	2	2	4	4	8
<b>Connectors</b>	2 x USB, 1 x serial	2 x USB, 1 x serial, WLAN <sup>3</sup>	2 x USB, 1 x serial	2 x USB, 1 x serial, WLAN <sup>3</sup>	2 x USB, 1 x serial	2 x USB, 1 x serial	3 x USB, 1 x serial, IPMI Ethernet	3 x USB, 1 x serial, IPMI Ethernet	2 x USB, 1 x serial, VGA	2 x USB, 1 x serial, VGA	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
<b>Physical</b>															
<b>Form Factor</b>	Desktop	Desktop	Desktop <sup>4</sup>	Desktop <sup>4</sup>	1RU	1RU	1RU	1RU	1RU	1RU	1RU	1RU	2RU	2RU	4RU
<b>Dimensions (WxHxD)</b>	242 x 55 x 198mm 9.52 x 2.17 x 7.80in	242 x 55 x 198mm 9.52 x 2.17 x 7.80in	282 x 44 x 196mm 11.11 x 1.73 x 7.72in	305 x 44 x 196mm 12 x 1.73 x 7.72in	426 x 44 x 300mm 16.77 x 1.73 x 11.81in	426 x 44 x 300mm 16.77 x 1.73 x 11.81in	439 x 44 x 300mm 17.28 x 1.73 x 11.81in	439 x 44 x 300mm 17.28 x 1.73 x 11.81in	426 x 44 x 450mm 16.7 x 1.73 x 17.72in	426 x 44 x 450mm 16.7 x 1.73 x 17.72in	426 x 44 x 450mm 16.7 x 1.73 x 17.72in	426 x 44 x 450mm 16.7 x 1.73 x 17.72in	450 x 89 x 450mm 17.7 x 3.5 x 17.7in	437 x 89 x 450mm 17.2 x 3.5 x 17.7in	489 x 177 x 450mm 19.25 x 6.97 x 17.72in
<b>Net Weight (without modules)</b>	1.1 kg / 2.43 lbs	1.2 kg / 2.65 lbs	1.8 kg / 3.97 lbs	2.2 kg / 4.85 lbs	4.2 kg / 9.25 lbs	4.2 kg / 9.25 lbs	4.8 kg / 10.58 lbs	4.8 kg / 10.58 lbs	8.4 kg / 18.5 lbs	8.4 kg / 18.5 lbs	8.6 kg / 19 lbs	8.4 kg / 18.5 lbs	12.4 kg / 27.3 lbs	12.4 kg / 27.3 lbs	20 kg / 44.1 lbs
<b>AC Power Supply</b>	100–240 VAC 50–60 Hz, 36 W	100–240 VAC 50–60 Hz, 36 W	100–240 VAC 50–60 Hz, 180 W	100–240 VAC 50–60 Hz, 180 W	100–240 VAC 50–60 Hz, 180 W	100–240 VAC 50–60 Hz, 180 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, 300 W + 300 W	100–240 VAC, 50–60 Hz, 300 W + 300 W	100–240 VAC 50–60 Hz, 650 W + 650 W	100–240 VAC 50–60 Hz, 650 W + 650 W	100–240 VAC, 50–60 Hz, 820 W + 820 W



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<b>DC Power Supply Option</b>	—	—	—	—	-72 - -36 VDC, 200W dual feed	-72 - -36 VDC, 200W dual feed	-72 - -36 VDC, 200W dual feed	-72 - -36 VDC, 200W dual feed	-72 - -36 VDC, 300 W + 300 W	-72 - -36 VDC, 300 W + 300 W	-72 - -36 VDC, 300 W + 300 W	-72 - -36 VDC, 300 W + 300 W	-72 - -36 VDC, 650 W + 650 W	-72 - -36 VDC, 650 W + 650 W	-72 - -36 VDC, 820 W + 820 W
<b>Redundant Power Supply</b>	—	—	—	—	—	—	DC with Dual Feed	DC with Dual Feed	Option	Yes	Option	Yes	Yes	Yes	Yes
<b>Typical Power Consumption</b>	15 W	18 W	18 W	22 W	50 W	65 W	60 W	70 W	100 W	100 W	130 W	130 W	350 W	400 W	420 W
<b>Maximum Power Consumption</b>	32 W	38 W	21 W	28 W	95 W	90 W	95 W	100 W	300 W	260 W	300 W	330 W	450 W	500 W	900 W
<b>Maximum BTU/hr</b>	109	130	72	96	256	307	324	341	682	682	682	682	1536	1706	3,071
<b>MTBF (hr.)</b>	120,000	120,000	120,000	120,000	120,000	120,000	100,000	100,000	150,000	150,000	100,000	100,000	100,000	100,000	80,000
<b>Operating Temperature</b>	5–+40°C +41– +104°F	5–+40°C +41– +104°F	0–+45°C +32– +113°F	0–+45°C +32– +113°F	0–+40°C +32– +104°F	0–+40°C +32– +104°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)	5–+40°C (+41– +104°F)	5–+40°C (+41– +104°F)	5–+40°C (+41– +104°F)	5–+40°C (+41– +104°F)	5–+40°C (+41– +104°F)
<b>Storage Temperature</b>	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C	-20– +70°C
	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)	(-4– +158°F)
<b>Relative Humidity (non-condensing)</b>	10%– 90%	10%– 90%	10%– 90%	10%– 90%	10%– 95%	10%– 95%	10%– 95%	10%– 95%	10%– 95%	10%– 95%	10%– 95%	10%– 95%	10%– 95%	8%– 90%	8%– 90%
<b>Safety Certifications</b>	CB, UL/EN60950														
<b>EMI Certifications</b>	FCC part 15, CE, EN55022, EN55024														

<sup>1</sup> Performance values reflect maximums measured under test conditions and may vary based on configuration and features enabled.

<sup>2</sup> Tagging is not available with switch ports 2-9.

<sup>3</sup> Support IEEE802.11ac/a/b/g/n

<sup>4</sup> Optional rack mounting kit available



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VIRTUAL APPLIANCE SPECIFICATIONS	VMWARE ESXI NGF (8 CPU)	NGF (4 CPU)	NGF (2 CPU)	NGF (1 CPU)
<b>Performance</b>				
<b>NGFW throughput (HTTP 21 kB payload)</b>	2.5 Gbps	2 Gbps	1 Gbps	600 Mbps
<b>Max Firewall throughput (UDP 1518 byte)</b>	10 Gbps	10 Gbps	10 Gbps	10 Gbps
<b>Max inspection throughput</b>	3.8 Gbps	3.6 Gbps	1.8 Gbps	1.5 Gbps
<b>IPsec VPN throughput (AES-128-GCM)</b>	5 Gbps	4 Gbps	3 Gbps	2 Gbps
<b>IPsec VPN tunnels</b>	15,000	15,000	15,000	15,000
<b>Concurrent connections (no inspection)</b>	2 million	2 million	2 million	2 million
<b>New TCP connections/sec (no inspection)</b>	75,000	50,000	20,000	15,000
<b>64-byte packets per second (no inspection)</b>	900,000	900,000	900,000	900,000
<b>Inspected concurrent connections</b>	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.

**CONTACT**  
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