

Trustwave SWG Sizing Recommendations

Key Points

Sizing figures are in Requests per Second (RPS), based on 50% CPU load and default policy with all engines enabled.

These numbers represent the lower end of the spectrum; actual performance depends heavily on the final security policy and can/will vary.

Trustwave SWG Appliance	RPS – 11.0	Throughput: Mbit/sec – 11.0	RPS - 11.5	Throughput: Mbit/sec - 11.5
SWG 3000 M3 Kaspersky	128	12	133	12
SWG 3000 M3 McAfee	-	-	119	11
SWG 3000 M3 Sophos	-	-	102	9.3
SWG 3000 M4 Kaspersky	290	27	388	35
SWG 3000 M4 McAfee	-	-	353	32
SWG 3000 M4 Sophos	-	-	300	27
SWG 5000 M3 6C Kaspersky	400	42	631	57
SWG 5000 M3 6C McAfee	-	-	573	52
SWG 5000 M3 6C Sophos	-	-	477	43
SWG 5000 M4 Kaspersky	350	32	682	61.8
SWG 5000 M4 McAfee	-	-	647	58.8
SWG 5000 M4 Sophos	-	-	575	52
SWG 7000 HS22 Kaspersky	190	17	317	29
SWG 7000 HS22 McAfee	-	-	350	32
SWG 7000 HS22 Sophos	-	-	300	27
SWG 7000 HS23 Kaspersky	400	36	690	62.7
SWG 7000 HS23 McAfee	-	-	632	57
SWG 7000 HS23 Sophos	-	-	565	51
SWG VM 24 core* Kaspersky	-	-	666	60
SWG VM 24 core* McAfee	-	-	624	56
SWG VM 24 core* Sophos	-	-	533	48
SWG VM 12 core* Kaspersky	-	-	433	41
SWG VM 12 core* McAfee	-	-	400	34
SWG VM 12 core* Sophos	-	-	292	26
SWG VM 4 core* Kaspersky	118	11	143	13
SWG VM 4 core* McAfee	-	-	128	11.8
SWG VM 4 core* Sophos	-	-	103	9

General Notes

- Every 15% increase in HTTPS traffic reduces the RPS capacity by 10%
- In All-in-One installations, expect a 20% reduction in the average RPS per SWG installation
- Maximum HTTP connections is 16K
- Maximum HTTPS connections is 4K

*Virtual Installation Notes

- Performance numbers are based on CPU cores
- Sizing is based on the following reference VM Host specifications:

CPU	Memory	Disk
IBM X3550 M4 – CPU E5-2630 Intel Xeon 2.30GHz	16G	2X146GB SAS disks in Raid1